

| 項次 | 國別 | 研習機構 | 研習單位 | 研習領域 | 研習單位介紹 | 國外研習機構 指導或聯絡人姓名/職稱 | 聯絡資訊 | 科屬司窗口 (負責科技組) |
|----|------|---|---|---|---|--|---|---------------------------------|
| 亞洲 | | | | | | | | |
| 1 | 澳大利亞 | 蒙納許大學 Monash University | 資訊科技學院Faculty of Information Technology | 1. 資訊處理科技及智慧運算 Information Technology and Intelligent Computing 2. 材料科技 Materials Science & Technology | https://www.monash.edu/it | Prof. David Green | Tel: +61 3 990 53912 Fax: +61 3 990 55159 Email: David.Green@monash.edu | 陶正統副研究員 02 2737 7431 (AU) |
| 2 | 澳大利亞 | 雪梨大學 The University of Sydney | 醫學及衛生學院 Faculty of Medicine and Health | Medical imaging Rehabilitation Communication Disorders Healthy Ageing Musculoskeletal Disorders and Breast Cancer | https://www.sydney.edu.au/medicine-health/ | Prof. Patrick Brennan | Email: patrick.brennan@sydney.edu.au Tel: +61 2 9036 7402 Fax: +61 2 9351 9146 | 陶正統副研究員 02 2737 7431 (AU) |
| 3 | 韓國 | 高麗大學Korea University | 民族文化研究院 | 理論東亞 | http://www.korea.edu/ | (獲崔溶徹院長同意) | Tel: +02-3290-1610 Email: choe0419@korea.ac.kr | 金曉珍研究員 02 2737 7047 (JP) |
| 4 | 日本 | 東京大學 The University of Tokyo | 地震研究所 | 地震研究 | http://www.eri.u-tokyo.ac.jp/eng/ | 平田直 (東京大学地震研究所所長) | Tel: 03-5841-5677 Fax: 03-5689-4467 E-mail: k-kenkyu@eri.u-tokyo.ac.jp | 金曉珍研究員 02 2737 7047 (JP) |
| | | | 比較文學比較文化研究室 | 東亞研究 | http://fusehime.c.u-tokyo.ac.jp/dept/index.html | 齋藤希史教授 (Mareshi SAITO) 教授 | Tel: +81-29-860-4769 Email: FUKATA.Naoki@nims.go.jp | |
| 5 | 日本 | 京都大學 Kyoto University | Center for Frontier Medicine of Department of Pharmacology | 炎症及免疫疾病相關之藥物研發 | http://www.med.kyoto-u.ac.jp/GCOE/J/member/individual/narumiya.html | 成宮周 (Shuh Narumiya)教授 | TEL:+81-75-753-4392 E-mail: snaru@mfour.med.kyoto-u.ac.jp | 金曉珍研究員 02 2737 7047 (JP) |
| | | | アジア研究教育ユニット (Asian Studies Unit) ・应用哲學倫理學教育研究センタ | 分析的亞洲哲學 Analytic Asian Philosophy | http://www.kuasup.cipier.kyoto-u.ac.jp/ | 出口康夫 教授 Yasuo DEGUCHI | Email: yasuideguchi@aol.com | |
| | | | 人文科學研究所 | 人文科學 | http://www.zinbun.kyoto-u.ac.jp/ | 稻葉穰教授Minoru Inaba | TEL:+81757536968 Email: inaba.minoru.4e@kyoto-u.ac.jp | |
| 6 | 日本 | 東北大學 Tohoku University | Laboratory for Nanoelectronics and Spintronics Research Institute of Electrical Communication | 自旋電子學Spintronics | http://www.ohno.riec.tohoku.ac.jp | Prof. Hideo Ohno(大野 英男) Laboratory for Nanoelectronics and Spintronics, Research Institute of Electrical Communication, Tohoku University | Tel: +81-22-217-5553 Fax: +81-22-217-5555 or 5553 (direct) E-mail: ohno@riec.tohoku.ac.jp | 金曉珍研究員 02 2737 7047 (JP) |
| 7 | 日本 | 獨立行政法人物質・材料研究機構 National Institute for Materials Science (NIMS), Japan. | NIMS | | | | | 金曉珍研究員 02 2737 7047 (JP) |
| 8 | 日本 | 獨立行政法人理化學研究所 Institute of Physical and Chemical Research (RIKEN) | 「申請者需事與理化學研究所所屬計畫主持人PI聯繫，並取得同意(同意書形式不拘)」 | 物理學、工學、化學、生物學、醫學等自然科學全領域 | http://www.riken.jp/en/research/labs/ | 外務・研究調整部 研究協力課 | gro-external@riken.jp | 金曉珍研究員 02 2737 7047 (JP) |

2022年科技部補助任務導向型團隊赴國外研習(龍門計畫)
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|----|-------------|--|--|--|---|---|---|--|
| 9 | 日本 | 東京工業大學理工學院 | 理工學院 山田研究室 | Solar Cells/Semiconductor Physics/Material Science/Crystal Growth | http://solid.pe.titech.ac.jp/ | 山田 明教授 Akira Yamada | Tel: +81-3-5734-2698 E-mail: yamada.a.ac@m.titech.ac.jp | 金曉珍研究員 02 2737 7047 (JP) |
| | | | (NEW)科學技術創成研究院 曾根 研究室 | 材料科技 Materials Science & Technology | http://www.ames.pi.titech.ac.jp/index.html | 曾根 正人 Masato Sone | Tel: +81-459245043 E-mail: sone.m.aa@m.titech.ac.jp | 金曉珍研究員 02 2737 7047 (JP) |
| 10 | 日本 | 沖繩科學技術大學院 Okinawa Institute of Science and Technology Graduate University (OIST) | | Theoretical and experimental physics, Neuroscience, Marine and terrestrial ecology, synthetic chemistry, Material science and nanofabrication 2. 理論及先進量子相關科學 4. 生醫科學與工程 5. 分子及細胞生物 6. 生物多樣性與生態 7. 材料科技 | OIST係依據「沖繩科學技術大學院大學學員法」成立之特殊學校法人，預算幾乎全額來自於日本政府補助，教師以及學生半數以上為外國人，授課為全英文制，國際化水準相當高。包括於2002年獲得諾貝爾生理學醫學獎的Sydney Brenner亦為該校特聘講座教授，其他尚有日本最具代表性的生物學者之一佐藤矩行，在分子遺傳學，分子生理學領域擁有優異成果，2011年獲得文化勳章表揚的柳田充弘，知名的物理學者、負責理化學研究所播磨研究所的X射線自由電子雷射研究設備「SACLA」中C波段的主加速器統籌建設的學者新竹積等。 OIST秉持「Lab-based」與「交叉學科」之理念，全校不設科系，而是以教授為首設置Unit。目前OIST主要研究領域分為「神經科學」、「化學、分子科學」、「數學、計算科學」、「環境・生態學」、「物理科學」等5大領域，共設置51 研究Unit。 | Grants and Research Collaborations Section | grant@oist.jp | 金曉珍研究員 02 2737 7047 (JP) |
| 11 | 以色列 | 以色列理工學院 Schulich Faculty of Chemistry at the Technion, Israel Institute of Technology | 化學系the Schulich Faculty of Chemistry | 化學、材料科技、有機合成、有機 不對稱合成催化、有機金屬化學 | https://ilanmarek.technion.ac.il/#IlanMarek A renowned lab in the design and development of new and efficient stereo- and enantioselective strategies for the synthesis of important complex molecular structures. particularly interested in developing carbon-carbon bond forming processes, which efficiently create multiple stereocenters in a single-pot operation. Deep understanding of reaction mechanisms gives insight into the origins of chemo- and stereoselectivity, and governs optimization towards the most efficient and general protocols for the methodologies. | Professor Ilan Marek | chilanm@technion.ac.il | 金曉珍研究員 02 2737 7047 (IL) |
| 12 | 以色列 (新增) | 以色列國立本古里安 大學(BGU) Ben-Gurion University | (New) 以色列國立本古里安大學(BGU) 資安研究中心 Cyber @ Ben-Gurion University (Cyber@BGU, CBG) | 資訊科技及智慧運算；資安卓越 | https://cyber.bgu.ac.il/ 以色列打造國家級Be'er-Sheva Cyberspark，本古里安大學(BGU)為Cyberpark的關鍵環節，結合以色列總理辦公室下之國家網路安全局、國防部、新創公司及學研機構，形成產官學研的資安產業完整生態圈。 Prof. Elovici為Cyber@BGU之創始人及現任中心主任，也是Be'er-Sheva Cyberpark產業和政府合作夥伴的最具創新性和技術挑戰性計畫的平台；該中心由130多名研究者和技術人員組成。其核心研究能力包括物聯網安全、智慧交通、航空網路、跨平台惡意軟件檢測、基於AI的網路解決方案、區塊鏈、機器學習和深度學習、欺詐識別和網路安全的大數據分析。 Prof. Elovici於2014年創建Morphisec新創公司，專注開發防止勒索軟體及零時差攻擊(zero day)漏洞的資安科技，其專利技術「移動目標防禦」(MTD-Moving Target Defense)為客戶進行端點保護。 | Prof. Yuval Elovici Head of Cyber@BGU | Tel: +972 8 6428005 Fax: +972 8 6428121 E-mail: cyber-labs @bgu.ac.il | 駐組提供 金曉珍研究員 02 2737 7047 (IL) |

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| 13 | 俄羅斯 (新增) | 莫斯科第一醫學大學 (Sechenov University) | (New) 莫斯科第一醫學大學(I. M. Sechenov First Moscow State Medical University) | 生醫科學與工程、高齡社會與健康 照護、精準健康 | https://www.sechenov.ru/en/ | Igor Lunkov Acting Head, Strategy and International Development, Sechenov University | Tel:+7(495)622-9643 +7 916 308-17 91 Email:lunkov_i_s@staff.sechenov.ru | 駐組提供 金曉珍研究員 02 2737 7047 (RU) |
| 14 | 俄羅斯 (新增) | 南聯邦大學(Southern Federal University) | (New) 南聯邦大學先進材料及元件力學與物理實驗室(Laboratory of Mechanics and Physics of Advanced Materials and Devices, LMPAMD) | 材料科技、能源科技、航太科技 | http://www.lmpamd.sfedu.ru/English05.html | Ivan A. Parinov DrSc. Professor | Tel:+7-908-500-5384 Email:parinov_ia@mail | 駐組提供 金曉珍研究員 02 2737 7047 (RU) |
| 15 | 俄羅斯 (新增) | 彼得大帝理工大學 (Peter the Great St. Petersburg Polytechnic University) | (New) 彼得大帝理工大學輕材料與結構實驗室(Laboratory of Lightweight Materials and Structures (LWMS) at Peter the Great St. Petersburg Polytechnic University) | 材料科技、能源科技 | http://lwms.spbstu.ru/en/ | Naumov Anton Alekseevich Deputy head of director for foreign relations, PhD Institute of Mechanical Engineering, Materials and Transport, SPbPU | Tel:+7(921)418-7394 Email: anton.naumov@spbstu.ru | 駐組提供 金曉珍研究員 02 2737 7047 (RU) |
| 歐洲 | | | | | | | | |
| 16 | 奧地利 | 維也納大學 Universität Wien | Institute for Ethics and Law in Medicine; Institute for Systematic Theology and religious Studies | 科技發展的倫理與法律意涵 | www.iern.at http://etfst.univie.ac.at/ | Prof. Ulrich Körtner | Tel: +43 (0)1- 4277-32711 or 22201 Fax: +43 (0)1-4277-9327 or 9222 and +43 (0)1-4277-8-32711 Mobile phone: +43 (0) 664 60277 32711 E-mail: ulrich.koertner@univie.ac.at | 林惠珍助理研究員 02 2737 7559 (DE) |
| 17 | 比利時 | 跨校際微電子研究中心 Interuniversity MicroElectronics Center (IMEC) | (IMEC) | 1. Bio-micro-electromechanical System or Bio-electronics, 2. Nanoelectronics, 3. Design & Production Technology for System-on-Chip, 4. Smart Systems, 5. Wireless Autonomous Transducers, 6. Bio-electronics, 7. Heterogeneous Integration, etc. | www2.imec.be/be_en/home.html | Prof. Jo De Boeck Senoir Vice President Smart System and Energy Technology Jo.DeBoeck@imec-nl-nl | Tel: +32 16 28 12 11 Fax: +32 16 22 94 00 | 湯卿熾研究員 02 2737 7557 (BE) |
| 18 | 比利時 | 法語魯汶大學 Université catholique de Louvain (UCL) | 得度費(de Duve Institute)醫學研究中心 | Genetics, Development, Infection, Metabolsim, Cancer and Stem Cell Research | www.deduveinstitute.be | 1. Prof. Benoit Van de Eynde Co-Director of de Duve Institute & Ludwig Institute for Cancer Research (合作計畫負責人) 2. Dr. Wen-Hui Lien 連文慧博士 (共同聯絡人) | 1. Prof. Benoit Van de Eynde Tel: +32 (0) 2 764 75 72 Email: benoit.vandeneynde@uclouvain.be 2. Dr. Wen-Hui LIEN Tel:+32(0) 2 7647458 Email: wen-hui.lien@uclouvain.be | 湯卿熾研究員 02 2737 7557 (BE) |
| 19 | 丹麥 | Aarhus University | Religion, Cognition and Culture Research Unit (RCC), Dept. of Culture and Society | Religion and Cognition | http://www.au.dk/ | Prof. Armin W. Geertz | Tel: 871-62473 Email: awg@teo.au.uk | 湯卿熾研究員 02 2737 7557 (BE) |

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|----|----|---|--|--|--|--|--|-------------------------------|
| 20 | 法國 | 巴黎薩克雷大學 Universite de Paris-Saclay | 奈米科學與奈米科技中心Centre for Nanoscience and Nanotechnology (C2N), Universite de Paris-Saclay | 1. 光電 2. 奈米電子 3.材料 4.d. 微系統與奈米生醫微流 | C2N目前擁有全法國規模最大供學術研究目的所使用的無塵室，研究領域涵蓋多項關鍵領域，共有363名研究人員(其中包含104位博班學生)，在2016/1/1-2018/6/30間共發表了646篇期刊論文、23本專書或專章、309篇會議論文，申請了122項專利，共拿到39個歐盟大型計畫(ERC或H2020)或其他雙邊國際合作計畫、157個法國國內計畫，在過去其研究產出已spin-off出多家新創公司，與其他著名國際學研單位都有緊密合作。C2N在奈米電子、量子半導體、生醫應用之特殊材料與製程的開發上均佔法國領導地位，除法國外，與歐盟業界的關係亦非常緊密，甚至臺灣的tsmc也曾有過合作。 | Luc Le Gratiet Head of partnerships and innovation strategy | TEL: +33 1 69 63 60 63 E-mail: luc.le-gratiet@c2n.upsaclay.fr | 胡敏琪科員 02 2737 7683 (FR) |
| 21 | 法國 | 國家衛生及醫學研究院 INSERM | Unité de Neuroimagerie Cognitive CEA/SAC//DRM/Neurospin Center | 認知科學跨領域研究--心智、大腦與教育 Cognitive Science, Mind, Brain, and Education | INSERM-CEA Cognitive Neuroimaging Research Unit -INSERM 562是Neurospin研究中心四個研究組之一，神經顯像Neuroimaging研習領域為該中心專長 | Dr. Denis Lebihan Director | Tel: +33 01 69 08 82 05 Fax: +33 01 69 08 79 80 Email: denislb@aol.com | 胡敏琪科員 02 2737 7683 (FR) |
| 22 | 法國 | 法國國家科學研究中心 (CNRS) | 分子及細胞生物與基因研究所 Institut de Génétique et de Biologie Moléculaire et Cellulaire (IGMBC) | 細胞生物與發育 癌症生物學 神經生物與基因 功能基因組學 結構生物 | 法國國家科學研究中心所屬 分子及細胞生物與基因研究所1994年成立，研究所2001年成為CNRS/Inserm及史特拉斯堡大學聯合實驗室。IGBMC是歐洲最早成立專事研究生物醫學的研究單位。主要研究高等真核生物基因組及基因表達的控制與分析的功能基因與蛋白質。這些知識應用於人類疾病如癌症、單基因疾病、代謝性疾等。該中心具有最新穎的老鼠醫院實驗室，以基因方法從老鼠身上作出病變研究。 | Dr. Françoise Schubel/ Assistant to Director | To the attention of Françoise Schubel CNRS UMR 7104/INSERM U964/UDS 1 Rue Laurent Fries BP 10142 67404 Illkirch CEDEX France Tel +33 (0)3 88 65 32 16 Fax +33 (0)3 88 65 32 03 Email: directeur.igbmc@igbmc.fr | 胡敏琪科員 02 2737 7683 (FR) |
| 23 | 法國 | 巴斯德研究院 Institut Pasteur | (Institut Pasteur) | Infectious diseases | 世界知名研究機構 | Mr Marc Jouan Director of International Network | Tel: +33 01 45 68 81 48 Fax: +33 01 45 68 89 52 | 胡敏琪科員 02 2737 7683 (FR) |
| 24 | 法國 | 歐洲同步輻射中心 European Synchrotron Radiation Facility (ESRF) | (ESRF) | 光速線 奈米科技 生物科技 | http://www.esrf.eu/ | Prof. Francesco SETTE, Director General | Email: sette@esrf.fr | 胡敏琪科員 02 2737 7683 (FR) |
| 25 | 法國 | 卡相高等師範學院 Ecole Normale Supérieure de Cachan (ENS-Cachan) | 資訊科技與能源科技應用系統實驗室， SATIE Laboratory of Systems and Applications of the Technologies of Information and Energy | (1) Electrical energy management, energy conversion, energy harvesting and transfer, power electronics, renewable energy, magnetic materials (2) Instrumentation and data processing for non-destructive control, bio-sensors, bio-micro-systems, signal processing, automatics | SATIE實驗室成立，由法國國家科學研究中心(CNRS)與ENS-Cachan於1975年共同補助成立，其研究室分布在大巴黎附近8個地區，目前計有75位研究學者、15位行政人員及80位博士生及博士後研究員。其研究領域分為二大區塊，一為電力電子元件與系統(CESS)，另一為多元尺度資訊分析系統(SIAME)。高等師範學院(ENS)是法國頂尖菁英工程師學院，著重學術與實務並進，其下所設研究型SATIE實驗室與台灣學術研究單位具互補性，其機構主管對於台灣留學生給予高度評價，並歡迎台灣教授與博士生及博士後研究員組成之研究團隊至其實驗室研習。 | Francois COSTA Professor, Head of Department CSEE | Tel: +33 1 47 40 29 83 Email: Francois.costa@satie.enss-cachan.fr | 胡敏琪科員 02 2737 7683 (FR) |
| 26 | 法國 | 格列諾博-阿爾卑斯大學 University of Grenoble - Alps | 地球科學研究中心 Institute of Earth Sciences (ISTerre) | (1) Geology (2) Geophysics (3) Risks (4) Environmental Sciences | 地球科學研究中心(ISTerre)係由著名之阿爾卑斯地質實驗室(LGCA)及地球物理及構造物理學實驗室(LGIT)於2011年擴大合併而成，集合超過100位研究學者及教授、20位博士後研究員、90位博士班學生及50餘位技術及行政人員共同組成，針對地球及環境科學為研究主軸。 地球科學研究中心(ISTerre)為格列諾博地球、行星及環境科學觀測中心的一部分，該中心身負觀測地球的任務，也是國家地球物理儀器及資訊中心。 地球科學研究中心(ISTerre)的科學目標為針對地球的物理及化學性質研究，尤其針對自然界物質、複雜程序之實驗及模組化二者之間的關聯性研究。 地球科學研究中心(ISTerre)係世界知名的頂尖地球科學實驗室(法國排名第二、世界排名前三十)，擁有七位美國地球物聯盟(AGU)院士，三位法國國家科學研究中心(CNRS)銀牌獎得主，以及八位教授獲得法國大學研究院(Institut Universitaire de France)認證。 | Stephane Guillot Director of ISTerre | Tel: +33 4 76 63 52 00 Email: Direction.isterre@ujf-grenoble.fr | 胡敏琪科員 02 2737 7683 (FR) |

2022年科技部補助任務導向型團隊赴國外研習(龍門計畫)
外國研習機構一覽表

2022.05.18(研習機構年度聯絡資料陸續更新中)

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| 27 | 法國 | 巴黎第六大學 Université Paris VI/ Université Pierre et Marie Curie, UPMC | 奈米科學 研究所 Institut des NanoSciences de Paris, INSP | (1) Theoretical and Advanced Quantum-related science (2) Materials Science & Technology | 1. 巴黎第六大學(UPMC)為世界知名的頂尖大學，共有19位諾貝爾獎得主(20座諾貝爾獎，其中居禮夫人2度獲獎)、7位國際傑出數學發現獎得主。學校排名在不同機構評比下均為法國第一；世界前五十。 2. 巴黎第六大學奈米科學研究所(INSP)創立於2005年，係由法國國家科學研究中心(CNRS)和巴黎第六大學(UPMC)共同設置，目前共有193位成員，包含78位研究員、37位技術及行政人員及78位非常態性人員(如博士、博士後、訪問學研及榮譽教授等)。該所主要有兩大研究領域，包含高等量子力學相關理論及材料科學與工程，主題涵蓋奈米及量子力學(Nanostructures and Quantum Systems)、新量子光譜(Spectroscopy of Novel Quantum States)、奈米結構與光學(Nanostructures and Optics)、物理化學及表面動力學(Chemical Physics and Dynamics of Surfaces)與奈米薄膜(Nanometric Thin Films)等共十大領域，所內許多研究人員同時為CNRS研究員或主持人，該所擁有中央及地方政府支持，科研資源及人力充沛。 3. 依據該所提供之資料，於2008至2014年間共發表1018篇研究成果於國際期刊；另科技組於105年5月24日實地訪察，所方詳細介紹研究所實驗設備，並展示科研環境，充分表達該所研究能量與實力。 4. 巴黎第六大學奈米科學研究所(INSP)對於台灣科研給予正面評價，歡迎台灣研究學者、博士生及博士後研究員組成研究團隊共同進行關鍵性主題之合作研究，並共同指導培育博士研發人才。 | Catherine Gourdon教授； INSP研究團隊總負責人、同時 為CNRS實驗室主持人 | EMAIL: catherine.gourdon@insp.jussieu.fr Tel: +33144274629 Address: Institut des NanoSciences de Paris Université Pierre et Marie Curie cc 840, 4 place Jussieu 75005 Paris, France | 胡敏琪科員 02 2737 7683 (FR) |
| 28 | 法國 | 法國生物醫學研究中心 Clnatec | 法國生物醫學研究中心Clnatec | 1. Biomedical Science and Engineering. 2. Molecular and Cellular Biology 3. Ageing Society and Health Care | 一、Clnatec生物醫學研究中心結合科學、醫學、創新技術、臨床及產業。該中心提供獨特的創新技術平台，擁有突破的技術設備科研實驗室以及先進設備的醫院，團隊包括機器人工程師、數學家、物理學家、電子工程師、生物學家、神經科學家、電腦專家、外科醫生和護理人員等。成立宗旨在加速實驗室技術創新移轉，對新開發系統進行快速有效的評估，在可行的環境條件下施行臨床試驗。 二、Clnatec主席Alim-Louis BENABID教授為著名之神經外科醫生及物理科學家，法國科學院院士，在格勒諾博市創立該中心。BENABID教授致力於帕金森氏症及其他運動障礙之治療，並嘗試以高頻深層腦部刺激(Deep Brain Stimulation, DBS)治療帕金森氏症，此為革命性新方法，對全球臨床醫學有極大的影響，也因此榮獲2015年生命科學突破獎(The 2015 Breakthrough Prizes in Life Sciences)，此獎項頒發給在全球生命科學領域有傑出貢獻的科學家。 | 1. Alim-Louis BENABID教授 (Clnatec主席) 2. Stephan CHABARDES教授 | EMAIL: Alim-Louis BENABID教授 alimlouis@sfr.fr Stephan CHABARDES教授 Sthpan.CHABARDES@cea.fr Address: 17, rue des Martyrs 38054 Grenoble cedex France | 胡敏琪科員 02 2737 7683 (FR) |
| | | | Regional Institute of Research in Food-processing Industry and Biotechnology "Charles Viollette" (ICV) | • Food safety and quality, • Plant adaptation and stress • One Health • Microbial processes • Aquatic food quality, pathogens in aquaculture and food security | Charles Viollette Institute is a joint Research Unit launched on January 1st 2014 and includes scientists from: • Lille University (public) • Artois University (public) • Côte d'Opale University (public) • Yncrea (private) The main objective was to set up a unique structure, in the north of France, which research activities are dedicated for food science and biotechnologies. This multidisciplinary Institute is currently organized into three main teams, which are: • ProBioGEM. Microbial and Biological Processes • ASQV. Plant stress adaptation • QSA. Food safety and quality Currently more than 100 scientists are acting in this unique and novel structure. Charles Viollette Institute has also tight collaborations, with French Institute for Agriculture (INRA) and French Agency for Food, Environmental and Occupational Health & safety (ANSES), through joint research units. Besides, Charles Viollette Institute has launched two international laboratories with Laval University at Québec (Canada) and Liège University (Belgium). It is also of major importance to indicate that Charles Viollette Institute is also governing REALCAT, which is a high-throughput platform, unique in the world, devoted to innovation in heterogeneous, homogeneous catalysis and biocatalysis as well as their combination under the ultra-efficient novel concept of "hybrid catalysis" (see http://realcat.ec-lille.fr/en/). Research at Charles Viollette Institute are mainly funded by private grants even the Institute has received national and European grants. the annual budget is about 2 ME Since 2014, Charles Viollette Institute published more than 300 papers in international journals and communications in international conferences 100 invited communications 05 patents | Pr. Djamel Drider | +33 320 434 798 djamel.drider@univ-lille1.fr | |

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| | | | Institute of Electronics, Microelectronics and Nanotechnology (IEMN) | Physics of nanostructures Micro- Nano- and Optoelectronics Communication Systems and Application of Microwaves Acoustics | <p>IEMN (Institute of Electronics, Microelectronics and Nanotechnology) is a Joint Research Unit created on the 1st of January 1992 by</p> <ul style="list-style-type: none"> • The National Centre for Scientific Research (CNRS) • The University Lille – Sciences and Technologies • The University of Valenciennes and Hainaut Cambrésis (UVHC) • The Institut Supérieur d'Electronique et du Numérique (ISEN) <p>The main objective for the creation of IEMN was to gather in a unique structure most of the regional research going from physics of materials to instrumentation and so to create in France Northern Region a multidisciplinary Institute with an international visibility. To bring together physicists, electronics and acoustics scientists having different cultures, methods and objectives, to elaborate a continuous knowledge and know-how, from theoretical problems to applications is a specificity to our Institute nowadays.</p> <p>Three missions have been assigned to IEMN:</p> <ul style="list-style-type: none"> • Research, covering multidisciplinary activities going from nanosciences and nanotechnologies to instrumentation through telecommunications and acoustics, • Education, mainly through Master and PhD, • Innovation and transfer to industry, in particular regional SMEs <p>http://www.iemn.fr/</p> <p>All these activities are performed within joint technological and characterisation facilities. The staff of IEMN is composed of around 500 people, including 160 researchers, 90 engineers and technicians and 250 temporary staff (Postdocs, PhD and Masters). The technological facilities are composed of 1600 m2 of cleanroom.</p> <p>IEMN is located in several buildings in Villeneuve d'Ascq, Lille and Valenciennes. The central laboratory building is the largest one and regroups all the main technological facilities and the institute's administration. The other units are located in the University Lille 1, the UVHC campus and in Lille ISEN. They carry out research on complementary topics and permit making the link between research and the education at the master's and engineering levels. The central laboratory, is the showcase of the institute, with 11 000 m2 of offices, clean rooms and laboratories. The infrastructure is perfectly suited for all the needs of the IEMN personnel and their partnerships worldwide.</p> <p>Annual budget: 30 M€</p> <ul style="list-style-type: none"> • Annual state support: 3 M€ • Contracts: more than 8 M€ • Salaries for permanent positions: 19 M€ <p>Annual scientific production</p> <ul style="list-style-type: none"> • 35-40 thesis • More than 300 papers in international journals and communications in international conferences • 40 invited communications • 10 patents <p>The aim of the NanoBiointerfaces group (IEMN-CNRS) research program is to: (i) prepare organic and inorganic nanostructures, ii) exploit the physico-chemical properties of nanostructures, (iii) take advantage of controlled surface chemistry, and (iv) use surface analysis and imaging techniques to study biomolecular interactions at a solid substrate/biological system and in complex biological media.</p> <p>http://pang.univ-lille.fr/partners/nanobiointerfaces-team-nbi</p> | Dr. Rabah Boukherroub | +33 (0)3 20 19 79 79 rabah.boukherroub@iemn.univ-lille1.fr | |

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| 29 | 法國 | 里爾大學 Université de Lille | Laboratory of Infrared and Raman Spectrochemistry (LASIR) | <p>1- Photophysics, reactivity and functionality</p> <ul style="list-style-type: none"> - Fundamental photophysics and photochemistry - Molecular and photo-controlled reactivity in porous media <p>2- Physico-chemistry of the environment</p> <ul style="list-style-type: none"> - Aerosols & Reactivity - Modelisation of trace metal-organic matter interactions - Characterization tools for aquatic anthropogenic systems - Applications to studies in natural and impacted industrial sites <p>3- Magneto structural properties of materials</p> <ul style="list-style-type: none"> - Organic carbonaceous material, Glassy materials - EPR and chemometrics methodologies | <p>LASIR initially developed its expertise in the field of vibrational spectroscopies (Raman scattering, infrared absorption, neutron scattering) and associated instrumentation. Today the scope of expertise of the Laboratory has expanded considerably and covers electronic (UV-visible absorption, fluorescence) and magnetic (NMR and EPR) spectrometry as well as molecular modeling and chemometrics techniques. The main domains of research of the Laboratory deal with Physical Chemistry and in particular with molecular spectroscopy applied to the study of complex physico-chemical systems using advanced spectroscopic and modeling methods. The Laboratory consists of 70 staff members of whom 45 are permanent and 25 temporary.</p> <p>In terms of research training, the Laboratory welcomes students from the "Chemistry and water treatment" Master of Lille and from the Erasmus Mundus "Advanced Spectroscopy in Chemistry" Master as well as engineering students from Polytech'Lille. Concerning doctoral training, LASIR is backed by the Doctoral School "Science of Matter, Radiation and the Environment (SMRE, ED 104)".</p> <p>The laboratory partnership policy is focused on developing research with both private companies and with public organizations, agencies and authorities. All the activities of the LASIR laboratory are performed inside different technical platform includes new spectroscopic technologies and characterisation facilities:</p> <p>1- Raman spectrometry platform (Visible HR LabRam microspectrometer, UV HR LabRam microspectrometer, LabRam microspectrometer, HoloLab series 5000 microspectrometer, XY spectrometer, Optical fibers). Since 2008, the Centre possesses the label "CREST" Centre de Ressources et d'Expertise Scientifique et Technologique.</p> <p>2- The Fourier Transform Infrared Spectroscopy facility (CCM FTIR) provides the users with advanced FTIR spectrometry and responds to most of the needs of FTIR analyses. The CCM FTIR includes 7 spectrometers with many accessories: Transmission cell; Single reflection ATR accessories; DRIFT Cell...</p> <p>3- EPR spectrometers (CW-EPR, Imaging-EPR and Pulse-EPR)</p> <p>4- Time-resolved spectroscopy platform, infrastructure dedicated to the investigation of photophysical and photochemical processes in condensed phase. It includes various types of electronic and vibrational transient spectroscopic setups equipped with a choice of pulsed laser sources (femtosecond, picosecond and nanosecond) covering a wide spectral range (UV to IR).</p> <p>5- Electronic spectroscopy platform, which includes both routine and research spectrometers. This platform is equipped with 5 UV-visible spectrometers with possible extension in the near infrared and 2 spectrofluorometers.</p> <p>6- Platform dedicated to traces analysis (metallic, organometallic and organic species) in water, sediment or soils. Considering metals, it is also possible to envisage speciation studies either by the mean of upstream extraction, directly in the sample (electrochemistry) or on-line (e.g. by coupling a chromatographic system to a mass spectrometer). In addition, the platform owns equipment for sample collection [corers, Niskin bottles, passive samplers such as DGT (Diffusive Gradient in Thin film), POCIS (Polar Organic Chemical Integrative System)...], sample preparation [oven, centrifuge, glove bag, freezer, thermostat cabinet...], contaminant extraction [ASE extractor, heating block...], and other small apparatus that allow measurement of additional parameters (pH, dissolved oxygen, redox potential, solid sulphur, alkalinity, anion by ion chromatography, dissolved organic carbon...).</p> <p>7- Multifunctional Atomic Force Microscope (AFM) for performing the most typical tasks in the field of Scanning Probe Microscopy. It is equipped with an environmental cell that allows studying environmental samples under controlled conditions.</p> <p>8- Photoluminescence spectrometer (PL), the heart of this instrument consists of a Horiba Jobin-Yvon iHR320 spectrometer with 2 inputs and 2 outputs. The outputs are used for the detection in the UV-visible domain on the one hand and the infrared on the other.</p> <p>The main application areas are:</p> <ul style="list-style-type: none"> • Materials (Characterization of defects in materials (glass, textiles...) • Environment (Characterization of pollutants or contaminating agents) • Microelectronics (Characterization of materials and/or quantification of stress experienced under operation) • Pharmacy and medicine (Characterization of compounds and, more specifically, distribution of the active ingredient) • Geology (Mineral analysis by infrared microspectrometry) <p>https://lasir.univ-lille1.fr/?page_id=5458</p> | Pr. OUDDANE Baghdad | +33 3 20 43 44 81 Baghdad.ouddane@univ-lille.fr | 胡敏琪科員 02 2737 7683 (FR) |

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| | | | Laboratory of Oceanology and Geosciences (LOG) | <p>1- Oceanography and Coastal ecosystems</p> <ul style="list-style-type: none"> - Physical oceanography, biological oceanography and their interaction - Marine biology, ecophysiology, food web dynamics, biogeosciences - Aquaculture, ecotoxicology, management of marine systems - Field, experimental and modelling approaches <p>2- Geosciences</p> <ul style="list-style-type: none"> - Geology and sedimentology - Remote sensing and littoral/coastal dynamics - Field observation and modelling approaches <p>See http://log.cnrs.fr/</p> | <p>LOG is an interdisciplinary Joint Research Unit between the University of Lille, the National Centre for Scientific Research (CNRS) and the University of Littoral (ULCO). The core of the LOG is situated in the campus of Wimereux a small seaside city situated in the English Channel where historically one of the oldest Marine Stations in Europe was created (end of the 19th Century). Until now, the Marine Station of Wimereux, a department of the University of Lille hosts one part of the research activities developed in the LOG. The research topics in the LOG are diverse but they mainly target the understanding of the functioning of the coastal systems and their interfaces using multidisciplinary approaches.</p> <p>The laboratory has more than 100 staff members and offers several facilities and equipments related to different topics of marine sciences.</p> <p>The Laboratory endorses a specialised Master of Marine Sciences co-chaired by Lille University and ULCO. For doctoral training, all PhD students are affiliated to the Doctoral School "Science of Matter, Radiation and the Environment (SMRE, ED 104)".</p> <p>The LOG has a long-term (>15 years) active collaboration with Taiwan and mainly National Taiwan Ocean University (NTOU) with 8 common PhD students among them 7 PhD students in the framework of double degree program. The number of common publications reached more than 52 SCI papers. The LOG, and particularly Prof. Sami SOUISSI is leading the recent Joint International Laboratory between the University of Lille and Taiwan (mainly NTOU) for the term 2017-2020. This joint laboratory involves the other institutes (IEMN, LASIR and ICV) involved in this application. This means that the currently existing interaction between these institutes will stimulate the hosting of young scientists from Taiwan to work in an interdisciplinary approach and at the frontiers between different disciplines.</p> <p>Particularly the LOG and mainly the research group of Prof. SOUISSI has more of 15 yrs experience of culturing several planktonic organisms and mainly copepods. These small crustaceans are the largest metazoans on the earth and play a key role in the functioning of marine ecosystems. The mass culturing of these organisms allowed the emergence of new innovative research programs in the field of aquaculture (new maturation research program between LOG & IEMN funded by the SATT Nord (https://sattnord.fr/en/) and aiming to prepare two patents and prepare the creation of an innovative spin off in the future. Several strains of copepods from Europe and Taiwan are maintained in the laboratory and this offers several possibilities of Taiwanese PhD students and researchers to develop interdisciplinary studies, such as understanding the complex interaction between pollutants and copepods (LOG & LASIR), the role of the microbiome of copepods in developing a sustainable aquaculture (LOG & ICV) as well as the interaction between nanomaterials and copepods (IEMN & LOG).</p> <p>The laboratory and the Joint International Lab with Taiwan have a pre-industrial pilot of microalgae and copepod production and a Joint Agreement with the Aquarium NAUSICAA to conduct common research projects. These facilities can be used by Taiwanese Dragon Gate awardees.</p> | Pr. SOUISSI Sami | +33 3 21 99 29 08 Sami.Souissi@univ-lille.fr | |

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| 30 | 西班牙 | 人工智慧研究中心 Institut d'Investigació en Intel·ligència Artificial (IIIA- CSIC) | Artificial Intelligence Research Institute (IIIA) of the Spanish National Research Council (CSIC) | Electronic Markets, Logistics, Environment, Energy, Tourism, Audiovisual Industry, Health and Wellness, Music, Autonomous Robots, Information Privacy, and Security. | <p>The IIIA is a research centre, belonging to the Spanish Council for Scientific Research (CSIC). Founded in 1985 it currently has around 50 full-time researchers and engineers, including 12 PhD students. Its mission is to carry out very high quality research in AI keeping a good balance between basic research and applications, and paying particular attention to training PhD students and to technology transfer. Since 1987, the IIIA scientists have supervised nearly 90 PhD students.</p> <p>The IIIA has three main research lines: Logic, reasoning and search; Case-based reasoning & learning; and Intelligent agents and multiagent systems. These research lines are applied to many domains. The main ones are electronic markets, agreement technologies, medicine, music, information privacy/security, and autonomous robots. These activities have been funded by more than 100 projects obtained through competitive funding mainly from the European Union (more than 20 projects) and the Spanish National Research Plan (more than 50 projects). The total funding obtained since 1985 exceeds 12 million Euros.</p> <p>IIIA researchers in these fields have chaired the leading conferences in Artificial Intelligence (IJCAI, ECAI, AAMAS, EUMAS); and are members of the board of the main journals (editor-in-chief of Fuzzy Sets and Systems, associate editorship of the prestigious AI Journal, JAAMAS, JAIR, etc.) and organizations (IJCAI Board of Trustees, IFAAMAS Board, etc.). The IIIA has produced and produces significant scientific publications (more than 2000 papers since 1985) many of them have been, and are, highly cited.</p> | <p>Director Carles SIERRA</p> <p>Deputy Director Felip MANYÀ</p> | <p>Tel: +34 93 5809570 (ext 231) Email: sierra@iia.csic.es</p> <p>Tel: +34 935 809 570 Email: felip@iia.csic.es</p> | 胡敏琪科員 02 2737 7683 (FR) |
| 31 | 德國 | 達姆施塔特高等資訊 安全研究中心 Cybersecurity TU Darmstadt (CYSEC) | Cybersecurity TU Darmstadt (CYSEC) | 1. 理論及計算科學 Theoretical Science and Computational Science, 2. 電子電信科技 Electronics and Telecommunication Technology, 3. 資 訊安全 | <p>https://www.cysec.tu-darmstadt.de/cysec/index.en.jsp</p> <p>https://www.cysec.tu-darmstadt.de/cysec/pp1/page_principal_investigators.en.jsp</p> | <p>Prof. Marc Fischlin Spokesperson Research Profile Topic Cybersecurity at TU Darmstadt Ms. Andrea Püchner (Team Assistant)</p> | <p>Tel: +49 (0) 6151 16-25730 E-mail: marc.fischlin@tu-darmstadt.de</p> <p>Tel: +49 (0) 6151 16-22486 E-mail: andrea.puechner@tu-darmstadt.de</p> | 林惠珍助理研究員 02 2737 7559 (DE) |
| 32 | 德國 | 德國Helmholtz 國家 研究院 | 德國癌症研究中心 (DKFZ) | 1. 生醫科學與工程Biomedical Science and Engineering, 2. 分子及細 胞生物 Molecular and Cellular Biology, 3. 癌症醫學Oncology | https://www.dkfz.de/en/index.html | Dr. Claudia Mayer International Cooperations | <p>Tel: +49 (0)62 21-42-2653 E-mail: c.mayer@dkfz.de</p> | 林惠珍助理研究員 02 2737 7559 (DE) |
| 33 | 德國 | 德國Helmholtz國家 研究院 | Juelich研究中心 | 1. 材料科學 Materials Science, 2. 能 源科技 Energy Technology, 3. 能 源科技 Ethics in the Neurosciences | http://www.fz-juelich.de/portal/EN/Home/home_node.html | Dr. Norbert Drewes Head of Corporate Development (UE) | <p>Tel.: +49 (0)2461 61-1814 Fax: +49 (0)2461 61-1816 E-mail: n.drewes@fz-juelich.de</p> | 林惠珍助理研究員 02 2737 7559 (DE) |
| 34 | 德國 | 德國Helmholtz國家 研究院 | 德國分子醫學中心 Max Delbrück Center for Molecular Medicine (MDC) | Biomedical research | https://www.mdc-berlin.de/about-us | <p>Prof. Thomas Sommer Chair of the Board and Scientific Director (interim)</p> | <p>(Ms) Dr. Nuria Cerda Esteban Head of Scientific Directorate Office Tel: +49 (0) 30 9406 4222 E-mail: nuria.cerda-esteban@mdc-berlin.de</p> | 林惠珍助理研究員 02 2737 7559 (DE) |
| 35 | 德國 | 德國Helmholtz國家 研究院 | 德國地質研究中心 Helmholtz Centre Potsdam, GFZ German Research Centre for Geosciences | Solid Earth Sciences | https://www.gfz-potsdam.de/en/home/ | <p>1. Prof. Dr. Susanne Buitert Scientific Executive Director and Spokesperson 2. Dr. Stefan Schwartze Administrative Executive Director</p> | <p>1. Tel: +49 (0) 331 288-1000/1015 susanne.buitert@gfz-potsdam.de 2. Tel: + 49 (0) 331 288-1001/1068 E-mail: stefan.schwartz@gfz-potsdam.de</p> | 林惠珍助理研究員 02 2737 7559 (DE) |
| 36 | 德國 | 德國光學研究所 Leibniz IPHT (Institute of Photonic Technology) | Leibniz IPHT (Institute of Photonic Technology) | Micro-/Nanotechnology, Fiber Technology, Nanophotonic Technology and Systems Technology | https://www.leibniz-ipht.de/en.html | Prof. Jürgen Popp Scientific Director | <p>Tel: +49 (0) 3641-206-300 Email: juergen.popp@ipht-jena.de</p> | 林惠珍助理研究員 02 2737 7559 (DE) |
| 37 | 德國 | 弗萊堡大學醫學中心 University Medical Center Freiburg | Medical Physics Department of Radiology | 核磁共振 | https://www.uniklinik-freiburg.de/mr-en.html | Prof. Jürgen Hennig Scientific Director, Department of Radiology – Medical Physics | <p>Tel: +49(0) 761 270 383-60/50 Fax: +49(0) 761 270 38310 Email: juergen.hennig@uniklinik-freiburg.de</p> | 林惠珍助理研究員 02 2737 7559 (DE) |

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|----|----|---|---|---|---|---|--|----------------------------------|
| 38 | 荷蘭 | 鹿特丹伊拉斯姆斯大學 Erasmus University Rotterdam | Erasmus Happiness Economics Research Organization | 生活品質與福祉 | http://www.narcis.nl/organisation/RecordID/ORG1243849/Language/en | Ruut Veenhoven | Tel: +31 10 4082102 Email: veenhoven@ese.eur.nl | 湯卿熾研究員 02 2737 7557 (BE) |
| | | | Erasmus Medical Center (Erasmus MC) | 生醫科學及醫療器材 | http://www.erasmusmc.nl/ | Prof. E.J. Kuiper, Dean, Vice-Chairman Board of Directors, Dr. Raoul Tan Senior Advisor International Affairs, Development Office | Tel: +31 10 703 8431 Email: e.j.kuiper@lumc.nl | 湯卿熾研究員 02 2737 7557 (BE) |
| 39 | 荷蘭 | 荷蘭恩荷芬科技大學 Technology University of Eindhoven (TU/e) | 工業設計學院 Department of Industrial Design | 高齡社會與健康照護 (Ageing Society and Health Care) (創新及智慧長照Innovative Design and Smarter Long Term Care) | https://www.tue.nl/en/university/departments/industrial-design/ | Pf. Lin-Lin Chen陳玲玲 | +31 40-247 8682 L.Chen@tue.nl | 湯卿熾研究員 02 2737 7557 (BE) |
| 40 | 瑞士 | 洛桑聯邦理工學院 Ecole Polytechnique Fédérale de Lausanne (EPFL) | Laboratory of Photonics and Interfaces (LPI), Institute of Chemical Sciences and Engineering (ISIC) | 太陽能電池領域 | https://lpi.epfl.ch/ | Prof. Michael Graetzel Head of the laboratory | Tel: +41 (0)21 693 31 12/15 E-mail: michael.graetzel@epfl.ch | 林惠珍助理研究員 02 2737 7559 (DE) |
| 41 | 瑞士 | 蘇黎世聯邦理工學院 Eidgenössische Technische Hochschule Zürich | Office of the President, International Affairs | engineering natural sciences | https://ethz.ch/services/en/organisation/staff-units/office-of-the-president.html | Ms. Patricia Heuberger, Programme Manager International Affairs, Bilateral Programmes with Asia | Tel: +41 (0) 44 632 5613 E-mail: patricia.heuberger@sl.ethz.ch | 林惠珍助理研究員 02 2737 7559 (DE) |
| 42 | 英國 | 倫敦帝國學院 Imperial College London | 生醫工程研究所 (Institute of Biomedical Engineering) | 生醫工程 Biomedical Engineering | http://www.imperial.ac.uk/biomedical-engineering | Professor Christofer Toumazou, Founding Director of the Institute and Chief Scientist | E-mail: c.toumazou@imperial.ac.uk Tel: +44 (0)207 594 6255 | 湯卿熾研究員 02 2737 7557 (UK) |
| 43 | 英國 | 劍橋大學 University of Cambridge | 1.Department of Psychology, 2. Behavioural and Clinical Neurosciences Institute (BCNI) Department of Psychology | 認知科學跨領域研究--心智、大腦與教育 Cognitive Science, Mind, Brain, and Education | 1./2. http://www.psychol.cam.ac.uk/ | 1./2. Professor Trevor W. Robbins | Email: twr2@cam.ac.uk Tel: +44 (0)1223 334551 | 湯卿熾研究員 02 2737 7557 (UK) |
| 44 | 英國 | 倫敦大學學院 University College London | 婦女研究所 (EGA Institute for Women's Health) | 分子及細胞生物學 Molecular and cellular biology | www.ucl.ac.uk/womens-health/ | Professor Anna David, Director of Institute for Women's Health | Email: a.david@ucl.ac.uk ; ifvhdirector@ucl.ac.uk Tel: +44 (0)207 679 6060 (internal: 46060) | 湯卿熾研究員 02 2737 7557 (UK) |
| 45 | 英國 | 愛丁堡大學 University of Edinburgh | 能源系統研究所Institute for Energy Systems | 海洋能源 Marine Energy | https://www.eng.ed.ac.uk/research/institutes/ies | Prof. A Robin Wallace | Email: Robin.Wallace@ed.ac.uk Tel: +44 (0)131 650 5587 | 湯卿熾研究員 02 2737 7557 (UK) |
| 46 | 英國 | 南安普敦大學 University of Southampton | Optoelectronics Research Centre | Nanophotonics and Metamaterials Materials Science & Technology Energy Technology & Electronics Telecommunications Technologies | www.southampton.ac.uk/orc | Prof. N.I. Zheludev, Deputy Director, ORC | Email: niz@orc.soton.ac.uk Tel: +44 23 8059 3172 (B46/4013) ms Toni Couvouvoussis, Assistant to Prof. Zheludev | 湯卿熾研究員 02 2737 7557 (UK) |
| 47 | 英國 | 牛津大學 University of Oxford | 甘迺迪風濕病學研究院Kennedy Institute of Rheumatology | 1. 分子及細胞生物Molecular and Cell Biology 2. 生醫科學與工程Biomedical Science and Technoogy | Research Themes: (1) Immunology; (2) Inflammation biology; (3) Tissue remodelling and regeneration; (4) Translational Medicine; 網址: http://www.kennedy.ox.ac.uk/research | Prof. Richard Williams | Email: richard.williams@kennedy.ox.ac.uk Tel: +44 1865 612635 | 湯卿熾研究員 02 2737 7557 (UK) |

2022年科技部補助任務導向型團隊赴國外研習(龍門計畫)
外國研習機構一覽表

2022.05.18(研習機構年度聯絡資料陸續更新中)

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|----|----|---|---|--|---|---|---|--------------------------------|
| 48 | 英國 | 艾克斯特大學 University of Exeter | 工程、數學及物理科學院所屬之水系統中心 Centre for Water Systems (CWS) | 地球科技 Earth Science & Technology | Research Interests: (1) Water distribution systme management; (2) Urban drainage systme management; (3) Water, climate change and sustainability; (4) AI research and applications; (5) Water resources management; (6) Flood risk management; 網址: http://www.ex.ac.uk/cws | Prof Dragan Savic, Founder and Former Director of Centre for Water Systems/ Prof. Albert Chen, Associate Professor of Water and the Human Environment | Email: a.s.chen@exeter.ac.uk Tel: +44 1392 724054 | 湯卿熾研究員 02 2737 7557 (UK) |
| 49 | 英國 | MRC再生醫學中心 MRC Centre for Regenerative Medicine (CRM) | MRC再生醫學中心 MRC Centre for Regenerative Medicine (CRM) | Molecular and Cellular Biology; Biomedical Science and Engineering | Research Groups: The centre hosts 26 research groups focus on four main research themes: (1) Stem cell biology (2) Tissue homeostasis and repair (3) Reprogramming (4) Translational and clinical programmes Research aims to develop new treatments for major diseases, including: brain cancer, leukaemia, liver cirrhosis, multiple sclerosis and Parkinson's disease. Website: http://www.crm.ed.ac.uk/ | Professor Stuart Forbes , Director CRM, Professor of Transplantation and Regenerative Medicine; Consultant Hepatologist Scottish Liver Transplant Unit | Tel: 0131 651 9510 (PA Paul Milligan 0131 654 9514) Email: IRR-Director@ed.ac.uk | 湯卿熾研究員 02 2737 7557 (UK) |
| 50 | 英國 | John Innes Centre (JIC) | John Innes Centre (JIC) | Plant and Agriculture Sciences; Microbiology; Molecular and Cellular Biology; Biomedical Science and Engineering | Departments: Biological Chemistry; Cell and Developmental Biology; Computational and Systems Biology; Crop Genetics; Metabolic Biology; Molecular Microbiology Website: https://www.jic.ac.uk/about/ ; https://www.jic.ac.uk/about-us/our-science/departments/ | Professor Cathie Martin, Group Leader, Department of Metabolic Biology, JIC. Honorary Professor, School of Biological Sciences, University of East Anglia | Email: cathie.martin@jic.ac.uk Tel: +44 (0) 1603 450275 | 湯卿熾研究員 02 2737 7557 (UK) |
| 51 | 英國 | 倫敦國王學院 King's College London (KCL) | 西西里桑德斯研究所 Cicely Saunders Institute (CSI) | 高齡社會與健康照護 (Ageing Society and Health Care) | Cicely Saunders Institute (簡稱 CSI) 成立於2010年 5月，隸屬倫敦大學國王學院 (King's College London，KCL)，在近期公布之世界大學 (QS World University Rankings)排名名列第 31，網址： https://www.topuniversities.com/university-rankings/world-university-rankings/2021 。 CSI以英國知名醫師且為世界安寧療護醫學先驅、英國女爵士桑德絲醫師 (Dr Dame Cicely Saunders) 之名而命名，為英國安寧療護發源地，亦是世界上第一所以安寧療護 (Palliative Medicine)為研究的機構，1967年於英國倫敦落成的聖克里斯多福安寧院 (St Christopher's Hospice) 即屬於KCL。CSI世界醫療工作者提供安寧療護課程與豐富的研究資源，並具備豐碩的科研成果，為世界安寧療護及研究先驅。每年有來自世界數十個國家的醫務及研究人員到CSI交流及學習，將安寧療護的學理不斷傳播及實踐。網址： https://www.kcl.ac.uk/cicelysaunders | Prof. Richard Harding, Herbert Dunhill Professor of Palliative Care & Rehabilitation | Email: richard.harding@kcl.ac.uk Tel: +44 207 848 5518 | 湯卿熾研究員 02 2737 7557 (UK) |
| 52 | 捷克 | Czech Academy of Sciences (捷克科學院) | Biology Centre(生物中心) | 1.農業科學、生物多樣性與生態 Agricultural Science, Biodiversity and Ecology 2.分子及細胞生物 Molecular and Cellular Biology | https://www.bc.cas.cz/en/ Biology Centre (BC)該單位是捷克科學院內專長於傳統農業生物領域(昆蟲、水中生物、土壤、寄生蟲生物多樣性等)的研究單位，對於許多以傳統農業切入的生物研究領域學者，該單位相當適合發展長期合作關係，過去三年 (2017-2019)總共有八篇期刊發表在頂級的Science (四篇) 和 Nature (四篇) 期刊。由於自然生物研究領域也會涉及生態環境改變對於生物影響的探討，因此該單位研究人員也逐漸開始討論氣候變遷對於生物多樣性的影響，新的歐盟Horizon Europe計畫有相當比例必須投入於氣候變遷與生物多樣性影響 (過去大約是20% in Horizon 2020)，因此可預見該領域的重要性。對於生物多樣性的研究，台灣與捷克處在不同地理位置與時區，因此研究上有相當互補性，對於未來合作將有相當的發展空間。 | Director Libor Grubhoffer | Director Libor Grubhoffer Tel: +420 387775050 Email: libor.grubhoffer@bc.cas.cz | 胡秀娟研究員 02 2737 7560 (CZ) |

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|-----|--------------|---|--|--|---|--|--|--|
| 53 | 斯洛伐克 (新增) | 量子科技研究中心- 斯洛伐克科學院 (Research Center for Quantum Information, SAS) | (New) 量子科技研究中心-斯洛伐克科學 院(Research Center for Quantum Information, SAS) | 理論及先進量子相關科學 Theoretical and Advanced Quantum- related Science | http://www.quantum.physics.sk/ | Vladimir Buzek Director | TEL : (+421 +2) 20910701 Fax : (+421 +2) 5477-6085 E-mail : buzek@savba.sk | 駐組提供 胡秀娟研究員 02 2737 7150 (CZ) |
| 美 洲 | | | | | | | | |
| 54 | 加拿大 | Western University (University of Western Ontario) in London Ontario | | Synchrotron Radiation-related Sciences | http://www.lightsource.ca/ | Prof. Tsun-Kong Sham | Email: tsham@uwo.ca | 李蕙瑩研究員 02 2737 7150 (CA) |
| 55 | 加拿大 | 英屬哥倫比亞大學 The University of British Columbia | Michael Smith Laboratories | 生物科技Biotechnology | http://www.msl.ubc.ca/ | Dr. Peter Zandstra | Tel: +1 604 822 2694 Email: peter.zandstra@ubc.ca | 李蕙瑩研究員 02 2737 7150 (CA) |
| | | | UBC Dental Education Research Lab | 1.高齡社會與健康照護 Ageing Society and Health Care 2. 認知科學跨領域研究--心智、大 腦與教育 Cognitive Science, Mind, Brain, and Education 3.科技發展的倫理、法律與宗教意 涵 Ethical, Legal, Religious & Social Issues | https://www.dentistry.ubc.ca/faculty-profiles/u-z/hsingchi-von-bergmann/ | Prof. von Bergmann, HsingChi | Tel: 604-827-5699; 778-960-9122 Email: hsingchi.von.bewrgmann@ubc.ca | |
| 56 | 加拿大 | 渥太華大學 University of Ottawa | 光子學研究中心 Centre for Research in Photonics | 1. 飛秒科學實驗室Attosecond Science Lab | http://www.jaslab.ca | 1. Prof. Paul Corkum, Canada Research Chair Tier 1 in Attosecond Photonics | Pierre Berini, Director, Centre for Research in Photonics / Chair in Surface Plasmon Photonics, Tel: (613) 562-5800 ext. 6316, http://www.eecs.uottawa.ca/~berini/ | 李蕙瑩研究員 02 2737 7150 (CA) |
| | | | | 2. 量子光子學Quantum photonics | http://www.quantumphotonics.uottawa.ca/ | 2. Prof. Robert Boyd, Canada Excellence Research Chair in Quantum Nonlinear Optics | | |
| | | | | 3. 表面電漿光子學Surface Plasmon Photonics | http://www.site.uottawa.ca/~berini/research.html | 3. Prof. Pierre Berini, Chair in Surface Plasmon Photonics | | |
| | | | | 4. 分子光子學Molecular Photonics | http://www.chem.queensu.ca/people/faculty/Stolow/Home.html | 4. Prof. Albert Stolow, Adjunct Professor and NRC Program leader of the Molecular Photonics Group | | |
| | | | | 5. 高速光子學Ultra-fast Photonics | http://mysite.science.uottawa.ca/brabec/ | 5. Prof. Thomas Brabec, Canada Research Chair Tier 1 in Ultra- fast Photonics | | |
| | | | 心臟研究所 Heart Institute | 1. atherosclerosis, necroptosis and miRNA | http://www.uottawaheart.ca/research_discovery/labs.htm | Dr. Katey Rayner (atherosclerosis, necroptosis and miRNA), | Dr. Peter Liu, MD, FRCPC, Chief Scientific Officer & Vice President, Research, The Heart Institute Professor of Medicine, University of Ottawa 40 Ruskin Street, Room H-2238 Ottawa, Ontario K1Y 4W7 Tel: 613-798-5555, ext 19544 Email: peter.liu@utoronto.ca | 李蕙瑩研究員 02 2737 7150 (CA) |
| | | | | 2. Genomics, coronary disease risk | | Dr. Ruth McPherson (Genomics, coronary disease risk) | | |
| | | | | 3. aortic diseases, biomarker, physiology and imaging | | Dr. Thais Coutinho (aortic diseases, biomarker, physiology and imaging), | | |
| | | | | 4. molecular imaging | | Dr. Ben Rostein (molecular imaging) | | |
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| | | | | 5. biomarkers, diastolic heart failure, ischemic heart failure, microvascular diseases | | Dr. Peter Liu (biomarkers, diastolic heart failure, ischemic heart failure, microvascular diseases) | | |
| 57 | 加拿大 | 滑鐵盧大學 University of Waterloo (UW) | 滑鐵盧奈米技術研究所 Waterloo Institute for Nanotechnology (WIN) | UW-WIN | https://uwaterloo.ca/institute-nanotechnology/ https://uwaterloo.ca/institute-nanotechnology/people-profiles/sushanta-mitra | Prof. Sushanta Mitra | skmitra@uwaterloo.ca | 李蕙瑩研究員 02 2737 7150 (CA) |
| | | | 1. Institute for Quantum Computing 2. Transformative Quantum Technologies | 1. Quantum control and materials for quantum devices 2. Quantum devices with applications from sensing to computation | 1. https://services.iqc.uwaterloo.ca/people/profile/dcory/ 2. https://tqt.uwaterloo.ca/ | Prof. David Cory | Email: dcory@uwaterloo.ca | |
| 58 | 加拿大 | 渥太華醫院研究所 Ottawa Hospital Research Institute | OHRI Core Facilities | 1. 慢性病計畫Chronic Disease Program: Molecular and cellular mechanisms of chemoresistance and disorders of fertility | http://www.ohri.ca/Programs/ChronicDisease/default.asp | Prof. Benjamin K. Tsang, Professor and Senior Scientist | Email: btsang@ohri.ca | 李蕙瑩研究員 02 2737 7150 (CA) |
| | | | Ottawa Hospital Research Institute | 2. 神經科學計畫Neuroscience Program: Brain and Spinal Cord regeneration, Diagnostic imaging, biomaterials, stem cells, genetic microRNA treatments, stroke and spinal cord, injury treatments | http://www.ohri.ca/profile/etsai | Dr. Eve C. Tsai, Neurosurgeon and Clinician Scientist | Email: etsai@toh.ca | |
| 59 | 加拿大 | 國家研究院 National Research Council | Digital Technologies Research Centre | Biomedical Science and Engineering, Information Technology and Intelligent Computing | https://nrc.canada.ca/en/research-development/research-collaboration/research-centres/digital-technologies-research-centre | 1. Dr. Joel Martin 2. Ms. Lorena Maciel | 1Tel: +1-613-993-0266 Email: joel.martin@nrc-cnrc.gc.ca 2. Tel: 1-613-993-0987 Email: Lorena.Maciel@nrc-cnrc.gc.ca | 李蕙瑩研究員 02 2737 7150 (CA) |
| | | | Advanced Electronics and Photonics Research Centre | Materials Science & Technology, Energy Technology([內含有機太陽能電池 Organic Photovoltaics included] Electronics and Communications Technology) | https://nrc.canada.ca/en/research-development/research-collaboration/research-centres/advanced-electronics-photonics-research-centre | 1. Dr. Ruth Rayman 2. Ms. Lorena Maciel | 1Tel: +1- 613-949-0540 Email: ruth.rayman@nrc-cnrc.gc.ca 2. Tel: 1-613-993-0987 Email: Lorena.Maciel@nrc-cnrc.gc.ca | |
| | | | Matter Lab (Department of Chemistry, Department of Computer Science, and Vector Institute) | Theoretical Chemistry, Quantum Computing, Machine learning, Automated Chemistry | http://matter.toronto.edu/ | Prof. Alán Aspuru-Guzik | Name: Alán Aspuru-Guzik Tel: 416-978-8927 Email: alan@aspuru.com, aspuur.admin@utoronto.ca | |
| | | | 1. Department of Mechanical and Industrial Engineering (Sensors & Decisions) | Materials Science & Technology structural health monitoring (SHM) and prognosis of engineering systems | http://decisionics.mie.utoronto.ca/ | Professor Fae Azhari | Tel: 647-975-5972 Email: azhari@mie.utoronto.ca | |
| | | | 2. Department of Mechanical and Industrial Engineering (Microcellular Plastics Manufacturing Laboratory, MPML) | plastic foaming technology | https://mpml.mie.utoronto.ca/lab/main/ https://patricklee.mie.utoronto.ca/members/patricklee/ https://mpml.mie.utoronto.ca/lab/director/ | Professor Patrick Lee / Chul Park | Tel: 1- 416-946-5407 Email: patricklee@mie.utoronto.ca park@mie.utoronto.ca Kara Kim Tel: 416-978-3053 Email: : kara@mie.utoronto.ca | |
| | | | 3. Department of Mechanical and Industrial Engineering (Turbulence Research Lab) | aerodynamic control using zero mass/net momentum input devices (Synthetic Jet Actuators (SJA)) | http://turbulence.mie.utoronto.ca/ | Professor Pierre Sullivan | Tel: 1 416 978-3110 Email: pierre.sullivan@utoronto.ca | |

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|----|----|----------------------------------|---|---|--|----------------------------|---|--------------------------------|
| 60 | | University of Toronto (多倫多大學) | 4. Department of Mechanical and Industrial Engineering (Centre for Maintenance Optimization and Reliability Engineering, C-MORE) | dynamic decision making and reinforcement learning | http://cmore.mie.utoronto.ca | Professor Chi-Guhn Lee | Tel: +1 416 946-7867 Email: cglee@mie.utoronto.ca | 李蕙瑩研究員 02 2737 7150 (CA) |
| | | | 5. Department of Mechanical and Industrial Engineering (Manufacturing Instrumentation & Virtual Manufacturing (MIVM) Laboratory Computer Integrated Manufacturing Laboratory (CIMLab) | 1. Electronics and Communications Technology (Primary) 2. Information Technology and Intelligent Computing | https://www.mie.utoronto.ca/mie/faculty/benhabib https://cimlab.mie.utoronto.ca | Professor Ben Benhabib | Tel: 1-416-978-3447 Email: Benhabib@mie.utoronto.ca | |
| | | | 6. Department of Mechanical and Industrial Engineering (Center for Advanced Diffusion-Wave and Photoacoustic Technologies, CADIPT) | novel creative imaging methodologies in inspection and nondestructive optoelectronic testing of alternative energy conversion devices (e.g. solar cells, nano-optoelectronic devices) and industrial manufactured products (steels, metal composites, automotive and aerospace components) | https://cadipt.mie.utoronto.ca/personnel/mandelis-andreas/ | Professor Andreas Mandelis | Tel: 1-416-978-5106 Email: mandelis@mie.utoronto.ca | |
| | | | 7. Department of Mechanical and Industrial Engineering (Human Factors and Applied Statistics (HFASt) Lab) | Information Technology and Intelligent Computing user interactions with automated vehicles and operator attention in surgery | http://hfast.mie.utoronto.ca | Prof. Birsan Donmez | Tel: +1 416 978 7399 Email: donmez@mie.utoronto.ca | |
| | | | 8. Faculty of Applied Sciences and Engineering / Faculty of Medicine Chemical Engineering and Applied Chemistry | 1. Biomedical Science and Engineering 2. Molecular and Cellular Biology 3. Information Technology and Intelligent Computing design, build, and application of combination imaging platforms to probe the mechanisms that underpin the assembly of functional biological structures | http://bigten.med.utoronto.ca | Prof. Christopher Yip | Tel: 1-416-978-7853 christopher.yip@utoronto.ca | |
| | | | 9. Department of Mechanical and Industrial Engineering (Cognitive Engineering Laboratory, CEL) | Cognitive Engineering Lab Cognitive Science Information Technology and Intelligent Computing power generation and transmission, military systems, medical diagnosis) to interact effectively with Artificial Intelligence and Machine Learning based decision aids | https://cel.mi.utoronto.ca https://www.mie.utoronto.ca/mie/faculty/jamieson | Professor Greg A. Jamieson | Tel: +1 647 897 6462 Email: jamieson@mie.utoronto.ca | |
| | | | 10. Department of Mechanical and Industrial Engineering (Advanced Micro and Nanosystems Laboratory) | Biomedical Science and Engineering developing innovative technologies and instruments for manipulating and characterizing cells, molecules, and nanomaterials | http://amnl.mie.utoronto.ca/ http://amnl.mie.utoronto.ca/index.php?page=publications | Professor Yu Sun | Tel: 416-946-0549 (office) 416-978-8663 (lab) sun@mie.utoronto.ca | |

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|----|----|---|--|--|---|---|--|---------------------------------|
| | | | 11. Department of Mechanical and Industrial Engineering (Cellular Biomechanics Laboratory) | Biomedical Science and Engineering solving biomechanical questions in muscular skeletal system at the cellular level | http://cbl.mie.utoronto.ca | Prof. Lidan You | Tel: 416.978.5736 Email: youlidan@mie.utoronto.ca | |
| | | | 12. Department of Speech-Language Pathology (University of Toronto Holland Bloorview Kids Rehabilitation Hospital) | Biomedical Science and Engineering Cognitive Science, Mind, Brain, and Education investigating the utility of non-invasive brain stimulation to facilitate motor and cognitive rehabilitation in paediatric neurodevelopmental, stroke and acquired brain injury populations | http://research.hollandbloorview.ca/scientists/dbel | Dr. Deryk Beal | Tel: 416-425-6220 x3582 Email: DBeal@hollandbloorview.ca | |
| | | | 13. Faculty of Applied Sciences and Engineering (Institute for Water Innovation) | Primary: Materials Science & Technology Secondary: Earth Science & Technology · Biomedical Science and Engineering · Energy Technology [內含有機太陽能電池 Organic Photovoltaics included] · Ageing Society and Health Care | http://water.utoronto.ca/researchers/frank-gu/ | Prof. Grank Gu | Tel: 416 978 8518 Email: F.Gu@utoronto.ca | |
| 61 | 美國 | 阿貢國家實驗室 Argonne National Laboratory | | 1. Materials , Chemistry, and Molecular Design and Discovery 2. Hard X-Ray Sciences 3. Molecular imaging/Brain mapping 4. Information Technology and Intelligent Computing/ Array of Things (including urban sciences) 5. Urban Water, Food, Energy, and Ecosystems Data Sciences Collaboration (Urban Water-FEEDS) | http://www.anl.gov/ | 1~2: Mr. Norman D. Peterson, Director, Government Relations 3: Narayanan Bobby Kasthuri, Neuroscientist, Argonne National Laboratory Assistant Professor in Neurobiology University of Chicago 4: Charlie Catlett Director, Urban Center for Computation and Data 4: Ralph T Muehleisen Principal Building Scientist and Buildings Program Lead 5. Dr. Yupo Lin, Group Leader. | 1~2. Tel: +1 630 252 7229 Email: npeterson@anl.gov 3. Email: bobby.kasthuri@gmail.com 4: Email: Catlett@anl.gov 4. Ralph T Muehleisen Tel: 630-252-2547 Email: rmuehleisen@anl.gov 5. Yupo Lin yplin@anl.gov | 李蕙瑩研究員 02 2737 7150 (HU) |
| 62 | 美國 | 美國國家衛生研究院 National Institutes of Health (NIH) | The Intramural Research Program (IRP), National Institute on Drug abuse (NIDA) | Calcium homeostasis and cellular dysfunction | http://www.irp.drugabuse.gov | Dr. Brandon Harvey, TT Investigator, MMCSI/INRB/NIDA | bharvey@mail.nih.gov | 李蕙瑩研究員 02 2737 7150 (DC) |
| | | | Division of Intramural Research (DIR), National Institute of Neurological Disorders and Stroke | Biomedical Informatics Research in Neuroscience | http://intra.ninds.nih.gov | Dr. Yang C. Fann, Director, Intramural IT and Bioinformatics Program. | Dr. Fann: Tel: 301-451-5153; Email: fann@ninds.nih.gov | |
| | | | 3. National Cancer Institute (NCI) | (NIH-NCI) | http://www.cancer.gov/ | Dr. Ann Chao, Health Science Administrator | ann.chao@nih.gov | |
| 63 | 美國 | 哥倫比亞大學 Columbia University | Digital Video and Multimedia Lab | Machine Learning, Computer Vision, and Multimedia | http://www.ee.columbia.edu/dvmm/ | Senior Executive Vice Dean 張世富教授 Dr. Shih-Fu Chang | Tel: +1 212-854-6894 Fax: +1 212-932-9421 Email: shih.fu.chang@columbia.edu | 李蕙瑩研究員 02 2737 7150 (BOS) |
| 64 | 美國 | 哈佛大學 Harvard University | East Asian Department and Comparative Literature Department | 東亞文化 | http://harvardial.org/home.php | 王德威教授(David Der-wei Wang) | Email: dwang@fas.harvard.edu Tel: (617) 496-0925 | 李蕙瑩研究員 02 2737 7150 (BOS) |
| 65 | 美國 | 約翰霍普金斯大學 Johns Hopkins University | Energy Frontier Research Center | Spintronics, Spin Caloritronics, Pure Spin Current Phenomena | http://sites.krieger.jhu.edu/chienlab/ | Prof. Chia-Ling Chien 錢嘉陵教授 | Tel: 410-516-8092 Fax: 410-516-7239 Email: clchien@jhu.edu | 李蕙瑩研究員 02 2737 7150 (DC) |

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|----|----|---|---|--|---|---|---|---------------------------------|
| 66 | 美國 | 麻省理工學院 MIT | 1. Picower Institute for Learning and Memory | 1. Brain and Cognitive Sciences | 1. http://bcs.mit.edu/people/tsai.html , http://web.mit.edu/picower/faculty/tsai.htm 2. MIT has changed their policy so that foreign exchange students or scholars come with a \$6000/yr charge that has to be paid by the lab | 1. 蔡立慧院士 Prof. Li-Huei Tsai | 1. Tel: +1 617-324-1660 Email: lhtsai@mit.edu | 李蕙瑩研究員 02 2737 7150 (BOS) |
| 67 | 美國 | 洛克斐勒大學 Rockefeller University | Laboratory of Biochemistry and Molecular Biology | Biochemical, molecular biological and genetic analyses of the regulation of gene expression, through transcription (co)factors and epigenetic modifications, during development, cell differentiation, homeostasis and | http://www.rockefeller.edu/research/faculty/labheads/RobertRoeder/ | Dr. Robert G. Roeder | Email: Robert.Roeder@rockefeller.edu Add: The Rockefeller University 1230 York Avenue New York, NY 10065 Tel: (212) 327-8000 | 李蕙瑩研究員 02 2737 7150 (BOS) |
| 68 | 美國 | 國家標準暨技術院 National Institute of Standards and Technology (NIST) | 1. Sensor Science Division | Energy Technology Solid state lighting | http://www.nist.gov/pml/div685/grp03/ssl.cfm | Dr. Yoshi Ohno NIST Fellow | Email: ohno@nist.gov Tel: 301-975-2321 | 李蕙瑩研究員 02 2737 7150 (DC) |
| | | | 2. Physical Measurement Laboratory, National Institute of Standards and Technology | Biomedical Science and Engineering/Microfluidic systems/BioMEMS/Cell Mechanics/ | https://www.nist.gov/people/darwin-reyes-herandez | Dr. Darwin R. Reyes, Biomedical Engineer, Physical Measurement Laboratory, National Institute of Standards and Technology | Dr. Darwin Reyes Tel: 301-975-5466 Email: darwin.reyes@nist.gov | |
| | | | 3. Engineering Laboratory, National Institute of Standards and Technology | Distributed AI for smart manufacturing/ Dimensional Measurement/ Manufacturing Performance Metrics/Smart | https://www.nist.gov/el/systems-integration-division-73400/about | Dr. Shaw C. Feng, Engineer, Engineering Laboratory, National Institute of Standards and Technology (NIST) | Dr. Shaw C. Feng Tel: 301-975-3551 Email: shaw.feng@nist.gov | |
| | | | 4. Physical Measurement Laboratory, National Institute of Standards and Technology | condensed matter physics; quantum materials characterization; magnetic 2D materials; inelastic scattering spectroscopy | https://www.nist.gov/people/angela-r-hight-walker | Dr. Angela Hight Walker, Chemist, Physical Measurements Laboratory, National Institute of Standards and Technology | Dr. Angela Hight-Walker Tel: 301-975-2155 Email: angela.hightwalker@nist.gov | |
| 69 | 美國 | 伊利諾伊大學香檳分校 University of Illinois at Urbana-Champaign (UIUC) | Department of Kinesiology and Community Health | 老齡化，輔助技術，適應性運動 Aging, Assistive Technology, Adaptive Sports | http://illinois.edu/ | Yih-Kuen Jan, PhD Associate Professor and Director, Rehabilitation Engineering Lab | Email: yjan@illinois.edu Tel: (217) 300-7253 | 李蕙瑩研究員 02 2737 7150 (HU) |
| | | | (NEW) Madhavan Lab at Department of Physics (物理系 Madhavan實驗室) | 量子材料 | http://madhavanlab.org/ | Prof. Vidya Madhavan | Tel: 217-300-1476 Email: vm1@illinois.edu | |
| 70 | 美國 | 賓州州立大學 Penn State University | Department of Geosciences | Earth Sciences and Technology- Geology and Tectonics | http://www.geosc.psu.edu/ | Professor Donald Fisher | Tel: 814-865-3206 Email: dmtf6@psu.edu | 李蕙瑩研究員 02 2737 7150 (BOS) |
| 71 | 美國 | 康乃狄克大學 University of Connecticut | | Earth Sciences and Technology- Structural geology, tectonics of east Asia; geomorphology, thermochronology, cosmogenic radio nuclides; sedimentary basin analysis, climate and geochronology | http://geography.uconn.edu http://www.earth.uconn.edu | Professor Timothy Byrne Prof. Will Ouimet Prof. Michael Hren Prof. Julie Fosdick | tim.byrne@uconn.edu Tel: 860-486-8144 william.ouimet@uconn.edu michael.hren@uconn.edu julie.fosdick@uconn.edu | 李蕙瑩研究員 02 2737 7150 (BOS) |
| | | | Connecticut Institute for the Brain and Cognitive Sciences | Cognitive Science, Mind, Brain, and Education | http://ibacs.uconn.edu | Prof. James Magnuson | Tel: +1 860-486-3525 Email: james.magnuson@uconn.edu | |
| 72 | 美國 | Yale University | Haskins Laboratories | Cognitive Science, Mind, Brain, and Education | http://www.haskins.yale.edu/staff/pugh.html | Prof. Kenneth Pugh | Tel: 203-865-6163 ext. 224 pugh@haskins.yale.edu | 李蕙瑩研究員 02 2737 7150 (BOS) |
| 73 | 美國 | 貝勒醫學院 Baylor College of Medicine | 1. Department of Pathology & Immunology & Department of Molecular & Cellular Biology, | 1. RNA molecular switches and RNA mutations in cancer | https://www.bcm.edu/research/labs/laising-yen/ | 1. Assistant Professor Laising Yen (嚴來興) http://profiles.victr.org/display/BCM/laising-yen | 1. Tel: +1 713-798-1180 Email: yen@bcm.edu | 李蕙瑩研究員 02 2737 7150 (HU) |
| 74 | 美國 | 美國國家再生能源實驗室 National Renewable Energy Laboratory (NREL) | Biosciences | 1. Physiology 2. Biochemistry 3. Molecular biology of microbes with applications in bioremediation and the production of H2 and high-value bio-based products | https://www.nrel.gov/energysciences/biosciences/staff/pin_ching_maness | 陳品菁 教授 Dr. Pin-Ching Maness | Tel: (303) 384-6114 Email: pinching.maness@nrel.gov | 李蕙瑩研究員 02 2737 7150 (LA) |

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|----|----|---|--|--|---|---|---|--------------------------------|
| 75 | 美國 | 德州大學-奧斯汀分校 The University of Texas Austin | 1.Department of Electrical and Computer Engineering | 1. Bio-sensor for cancer detection and Environmental sensors 2. Energy harvest through energy collection, or 3.Electronics and Telecommunication Technology | http://muri.engr.utexas.edu/ ; http://www.mrc.utexas.edu/index.php/people/main/106 | 1. Prof. Ray Chen (陳瑞曾), Keys and Joan Curry/Cullen Trust Endowed Chair Professor | 1. Tel: +1 512 471-7035 Fax: +1 512 471-8575 Email: chen@ece.utexas.edu | 李蕙瑩研究員 02 2737 7150 (HU) |
| | | | (NEW) 2.NanoBiosensors and Molecular Tracking Laboratory at Department of Biomedical Engineering (生醫工程學系奈米生物感應器&分子追蹤實驗室) | 1. Measuring hybridization kinetics of single DNA molecules in live cells; 2. Deep Learning-assisted design of fluorescence nanobiosensors; 3. Deep and high-resolution 3D tracking of single particles using nonlinear and multiplexed illumination (TSUNAMI) | http://research.engr.utexas.edu/yeh/about | 2. Associate Prof. Tim Yeh (葉信志) | 2. Tel: 512-471-7931 Fax: 512-471-0616 Email: tim.yeh@austin.utexas.edu | |
| 76 | 美國 | 德州大學-西南醫學中心 The University of Texas Southwestern Medical Center | 1.Department of Urology | 1. 生醫科學與工程Biomedical Science and Engineering | http://www.utsouthwestern.edu/fis/faculty/13361/jer-tsong-hsieh.html | 1. Jer-Tsong Hsieh(謝哲宗) | 1. Tel: +1 214 648-3988 Email: JT.Hsieh@UTSouthwestern.edu | 李蕙瑩研究員 02 2737 7150 (HU) |
| | | | 2.Department of Bioengineering | 2. Stem cells, tissue engineering, nanotechnology, biocompatibility, biomaterials, inflammation, infection and fibrosis | http://www.utsouthwestern.edu/education/graduate-school/programs/phd-degrees/biomedical-engineering/index.html | 2. 唐力平 教授 Dr. Liping Tang (UTA 暨 西南醫學中心教授) | 2. Tel: 8172726075 Email: ltang@uta.edu | |
| | | | (NEW) 3.Benjamin Chen Lab | DNA-PKcs & Mitosis Transition DNA-PKcs and Stress Responses DNA-PKcs Phosphorylation | https://www.utsouthwestern.edu/labs/chen-benjamin/ | 3. Associate Prof. Benjamin Ping-Chi Chen (陳炳吉) | 3. Tel: 214-648-1263 Fax: 214-648-5995 Email Benjamin.Chen@utsouthwestern.edu | |
| 77 | 美國 | (NEW) 德克薩斯農工大學 Texas A&M University | 1.Thin Film Nano & Microelectronics Research Laboratory at Department of Chemical Engineering(德州農工大學 化工系 奈米薄膜微電子研究室) | 奈米薄膜與微電子研究 | 1. https://yuekuo.tamu.edu/ | 1. Dow Prof. Yue Kuo (郭育) | 1. Tel: 979-845-9807 Email: yuekuo@tamu.edu | 李蕙瑩研究員 02 2737 7150 (HU) |
| | | | 2.Chu Laboratory at Department of Civil and Environmental Engineerin (土木與環境工程學系朱宮慧實驗室) | 1. Emerging contaminants: PFAS, EDCs, PPCPs, TCP, etc.; 2. Bioenergy and bioproduct: TAGs, PHB, Phage-based technology, cellulase; 3. Molecular tools: real-time-t-RFLP, Q-FAST, Stable isotope probing (SIP), bacterial genome, metagenomic, etc. 4. Photocatalysis, Cell encapsulation, Extreme weather, Bioretention | 2. https://chulab.engr.tamu.edu/ | 2. Prof. Kung-Hui Chu (朱宮慧) | 2. Tel: 979-845-1403 Email: kchu@civil.tamu.edu | |
| 78 | 美國 | (NEW) 德州大學-醫學分校 University of Texas Medical Branch | Galveston National Laboratory | 1. Global Health, the epidemiology of infectious diseases, and their interface with biodefense and biosecurity. 2. RNA病毒相關研究 | https://www.utmb.edu/gnl/ 德州大學醫學部(UTMB)國家實驗室 Galveston National Laboratory (GNL) 於2008年建置完成，為全美九個BSL-4實驗室之一，也是設於學術機構兩個其中之一。該實驗室由美國國家過敏及傳染疾病研究院 (National Institute of Allergy and Infectious Diseases) 與美國國家衛生研究院 (National Institute of Health, NIH) 經費支持。GNL在高度傳染性病原在基礎研究、流行病學、預防與治療公共衛生上皆有非常高的國際地位，他們所提供的研究設施及材料也為國內所缺乏，與此機構合作能大幅推動台灣在高傳染性病原上的研究。 | 1.Prof. James LeDuc 2.Prof. Chien-Te Tseng (曾建德) | 1. Tel: 409-266-6929 2. Tel: 409-747-0762 Email: sktseng@utmb.edu | 李蕙瑩研究員 02 2737 7150 (HU) |

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|----|----|---|--|--|---|---|---|--------------------------------|
| 79 | 美國 | 北卡羅蘭納大學教堂山分校 University of North Carolina Chapel Hill | Eshelman School of Pharmacy Natural Products Research Laboratories | Combining the fields of the most advanced natural products chemistry and synthetic medicinal chemistry as well as cutting-edge life science technologies to design and discover herbal medicine-based bioactive natural products and their analogs as clinical trials drug candidates. (研習人員:博後) | 1. https://pharmacy.unc.edu/divisions/cbmc/ 2. https://pharmacy.unc.edu/directory/khlee/ Department | 李國雄院士 | Tel: 919-962-0066 Email: klhlee@unc.edu | 李憲瑩研究員 02 2737 7150 (HU) |
| 80 | 美國 | 喬治亞醫學院 Medical College of Georgia, Augusta University | Department of Neuroscience and Regenerative Medicine | Developmental neurobiology and neuroscience; stem cell biology; glycobiology. (研習人員:博後或博士候選人) | 1. http://www.gru.edu/mcg/bmb/index.php 2. http://www.gru.edu/ifl/index.php?faculty=RYU | 于寬仁院士 Robert K. Yu | Tel: 706-721-0699 Email: RYU@gru.edu | 李憲瑩研究員 02 2737 7150 (HU) |
| 81 | 美國 | 萊斯大學 Rice University | 1. Braam Lab | Biochemistry and Cell Biology | 1. http://biosciences.rice.edu | 1. Prof. Janet Braam | 1. Email: braam@rice.edu Tel: 713-348-4277 | 李憲瑩研究員 02 2737 7150 (HU) |
| | | | (NEW) 2. The Kono Lab at Department of Electrical and Computer Engineering (電機系 河野實驗室) | Light-Matter Interaction: Fundamental Physics and Device Applications | 2. http://kono.rice.edu/home/ | 2. Prof. Junichiro Kono (河野純一郎) | 2. Tel: 713-348-2209 Fax: 713-348-3091 Email: kono@rice.edu | |
| | | | (NEW) 3. Joseph R. Cavallaro at Department of Electrical and Computer Engineering | 1. Code Division Multiple Access (CDMA) Wireless Communication Systems 2. Wireless LAN and MIMO FPGA Testbed 3. VLSI Signal Processing Research | 3. http://cavallaro.rice.edu/ | 3. Prof. Joseph R. Cavallaro | 3. Tel: 713-348-4020 Fax: 713-348-6196 Email: ece@rice.edu | |
| 82 | 美國 | 加州理工學院 California Institute of Technology | | 1. "Beyond Si-CMOS" nano-electronic research 2. Biophysics & Nano-biotechnology 3. Energy Research (須以計畫構想書與對方洽定後始可提出) | 1. http://www/its.caltech.edu/~yehgroup/ , http://kni.caltech.edu | 1. Prof. Nai-Cjamg Yeh | Email: ncyeh@caltech.edu | 李憲瑩研究員 02 2737 7150 (LA) |
| | | | | | 2. http://mems.caltech.edu , http://www/its/caltech.edu/~nano/ , http://kni.caltech.edu | 2. Prof. Yu-Chong Tai | Email: tai@mems.caltech.edu , rourke@caltech.edu | |
| | | | | | 3. http://resnick.caltech.edu , http://www/lmi.caltech.edu/ , http://solarfuelshub.org , http://daedalus.caltech.edu | 3. Prof. Harry Atwater | Email: haa@caltech.edu | |
| | | | 4. Kornfield Lab | 4. Polymer Physics, Polymer Chemistry and Eye Disease Treatments | 4. https://kornfield.caltech.edu/ | 4. Prof. Julia A. Kornfield | Email: jak@cheme.caltech.edu | |
| 83 | 美國 | 南加州大學 University of Southern California | 1. USC-Taiwan center for Translational Research | 1. Development of novel therapeutics for targeted drug development | 1. http://pharmacyresearch.usc.edu/centers/translational-research | 1. Jean Chen Shih Ph.D.(陳景虹院士), Bogdan Olenuk Ph.D., Kevin Chen Ph.D., Clay CC Wang Ph.D., Mitchell E Gross M.D. Ph.D., Leland Cheung Ph.D., Florence Hofman Ph.D., | Tel: 323 442 1441 Fax: 323 224 7473 Email: jseshih@usc.edu | 李憲瑩研究員 02 2737 7150 (LA) |
| | | | 2. Laboratory of Tissue Development and Regeneration | 2. 生醫科學與工程 Biomedical Science and Engineering | 2. http://www-hsc.usc.edu/~cmchuong/researchinterests.html | 2. 鍾正明 (Cheng-Ming Chuong) | Email: cmchuong@usc.edu | |
| | | | 3. Department of Molecular Microbiology and Immunology | 3. (1) Host and Virus Standoff (2) Virus-Induced Cancer (3) Programmed cell death (PCD) (4) Acute Lymphoblastic Leukemia (ALL) and Prostate Cancer | 3. http://uscmmi.com/jaejunglab/ | 3. Chair, Dr. Jae U Jung | Tel: 323 442-1713 Email: jaeujung@usc.edu | |

| 項次 | 國別 | 研習機構 | 研習單位 | 研習領域 | 研習單位介紹 | 國外研習機構 指導或聯絡人姓名/職稱 | 聯絡資訊 | 科願可窗口 (負責科技組) |
|------|----|---|--|---|---|--|--|--------------------------------|
| 84 | 美國 | Banner Alzheimer's Institute. Banner Research | Banner Alzheimer's Institute, Banner Research | Alzheimer medical imaging and bio-informatics via big data/cloud computing and other medical research problems 老年癡呆症醫學影像學和生物資訊學雲端大資料計算和其他醫學研究的問題 | http://banneralz.org/ | Dr. Eric M. Reiman, CEO Executive Director of Banner Alzheimer's Institute, Dr. Kewei Chen, Senior Scientist | Email: Kewei.Chen@bannerhealth.com Tel: (602) 839-6900 | 李蕙瑩研究員 02 2737 7150 (LA) |
| 85 | 美國 | 希望之城癌症研究中心 City of Hope | Beckman Research Institute/Cancer Biology | Research Areas: Chemoprevention Research Program, Breast Cancer Translational Research. | http://www.cityofhope.org/people/chen-shiuan | Shiuan Chen, PhD (陳瑄) | Tel: +1 626 301-8972 Email: schen@coh.org | 李蕙瑩研究員 02 2737 7150 (LA) |
| 86 | 美國 | University Corporation for Atmospheric Research (UCAR) | | 大氣科學各領域(包括氣候模擬) | http://www2.cgd.ucar.edu/ | Ying-Hwa (Bill) Kuo | kuo@ucar.edu Phone: 303-497-8910 | 李蕙瑩研究員 02 2737 7150 (LA) |
| 87-1 | 美國 | 加州大學-洛杉磯分校 University of California-Los Angeles (UCLA) | 1. Device Research Laboratory 2. Material Science & Engineering 3. Optoelectronic Biofluidics Laboratory; 4. Electrical Engineering Department 5. Molecular & Medical Pharmacology 6. Bioengineering 7. Mechanical & Aerospace Engineering 8. Chemistry 9. Electrical Engineering Department 10. Computer Science | 1. Nanoelectronics and nano-spintronics beyond CMOS; 2. 材料科技; 3. Biophotonics, nanophotonics, and lab-on-a-chip systems; 4. Nonlinear Optics, Ultrafast Optics, Semiconductor Lasers, Photonic Devices, Nonlinear Laser Dynamics, Chaotic Communications, Optical Imaging, High speed electronics ; 5. Department of Molecular and Medical Pharmacology; 6. http://www.bioeng.ucla.edu/ 7. http://www.mae.ucla.edu/ 8. http://www.chem.ucla.edu/ 9. http://www.chem.ucla.edu/ 10. https://samueli.ucla.edu/people/kai-wei-chang/ | 1. http://www.ee.ucla.edu/research . 2. http://www.mse.ucla.edu/ 3. http://oeb.seas.ucla.edu/OEB.html 4. http://www.ee.ucla.edu/people/faculty/faculty-directory/jia-ming-liu 5. http://www.pharmacology.ucla.edu/ 6. http://www.bioeng.ucla.edu/ 7. http://www.mae.ucla.edu/people/faculty/tsu-chin-tsau 8. http://www.chem.ucla.edu/dept/Faculty/yilin/ 9. http://www.ee.ucla.edu/jason-woo/ 10. https://samueli.ucla.edu/people/kai-wei-chang/ | 1. Prof. Kang L Wang; 2. Prof. King-Ning Tu; Prof. Yang Yang; Prof. J.-M. Yang, etc.; 3. Prof. Eric Pei-Yu Chiou (邱培鈺); 4. Prof. Jia-Ming Liu (劉佳明); 5. Prof. Hsian-Rang Tseng (曾憲榮); 6. Prof. Wentai Liu (劉文泰); 7. Tsu-Chin Tsao (曹子晴); 8. Yuan-Ya Lin (林永雅); 9. Jason Woo (吳積信); 10. Kai Wei Chang (張凱誠); 11. Linda Liao (廖敏妃) | 1. Tel: 310-825-1609, Fax: 310-206-7154 Email: wang@ee.ucla.edu (NanoSystems Institute); 2. www.fena.org; www.win-nano.org; www.drl.ee.ucla.edu; 3. Tel: +1 310-825-8620 Email: pychiou@seas.ucla.edu; 4. Tel: +1 310 206-2097 Email: liu@ee.ucla.edu; 5. Tel: +1 310-206-8975 Email: hstseng@mednet.ucla.edu 6. Tel: +1 310-825-9129 Email: wentai@ucla.edu ; 7. Tel: +1 310-206-2819 Email: tsao@ucla.edu; 8. Tel: +1 310-206-2856 Email: yilin@chem.ucla.edu 9. Tel: +1 310-206-3279 Email: woo@ee.ucla.edu 10. Tel: +1 310-206-4395 Email: kwchang@cs.ucla.edu 11. Tel: +1 310-825-5111 Email: LLiao@mednet.ucla.edu | 李蕙瑩研究員 02 2737 7150 (LA) |
| 87-2 | 美國 | 加州大學-聖地牙哥分校 University of California-San Diego (含The Scripps Research Institute) | 1. School of Engineering | Bioengineering; Electrical and Computer Engineering; Mechanical and Aerospace Engineering; Mobile Systems Design Lab | http://be.ucsd.edu/ ; http://www.cse.ucsd.edu/ ; http://maeweb.ucsd.edu/ ; http://mesdat.ucsd.edu/ ; http://jacobsschool.ucsd.edu/faculty/faculty_bios/index.sfe?fmpr_recid=11 ; http://jacobsschool.ucsd.edu/faculty/faculty_bios/index.sfe?fmpr_recid=314 http://jacobsschool.ucsd.edu/faculty/faculty_bios/index.sfe?fmpr_recid=363 http://neurosurgery.ucsd.edu/clark-chen-md-phd/ ; | 1a. Prof. Lanping Amy Sung; 1b. Prof. Robert Sah; 1c. Prof. Gert Cauwenberghs; 1d. Prof. Yuhwa Lo (羅彥華); 1e. Prof. Juan Lasheras; 1f. Prof. Sujit Dey; 1g. Prof. Shu Chien (錢煦); 1h. Prof. Clark C Chen (陳經宗); 1i. Prof. Jiun-Shyan Chen (陳俊賢); 1j. Prof. Charles W. Tu (杜武清) | 1a. Tel: +1 858-534-5722 Email: lasung@ucsd.edu 1b. Tel: +1 858-534-0821 Email: rsah@ucsd.edu 1c. Tel: +1 858-534-6938 Email: geauwenberghs@ucsd.edu 1d. Tel: +1 858-822-3429 Email: ylo@ucsd.edu 1e. Tel: +1 858-534-5437 Email: jlsheras@ucsd.edu 1f. Tel: +1 858-534-0750 Email: sdey@ucsd.edu 1g. Tel: +1 858-534-5195 Email: shuchien@ucsd.edu 1h. Tel: +1 858-246-0674 Email: clarkchen@ucsd.edu 1i. Tel: +1 858-534-7034 Email: jsc137@ucsd.edu 1j. Tel: +1 858-822-0220 Email: ctu@ucsd.edu | 李蕙瑩研究員 02 2737 7150 (LA) |

| 項次 | 國別 | 研習機構 | 研習單位 | 研習領域 | 研習單位介紹 | 國外研習機構 指導或聯絡人姓名/職稱 | 聯絡資訊 | 科願可窗口 (負責科技組) |
|------|----|---|---|---|---|---|--|--------------------------------|
| | | | 2. Swartz Center for Computational Neuroscience, etc. | http://scn.ucsd.edu/~jung/Site/Home.html | 2. http://scn.ucsd.edu/index.html | 2. Prof. Tzzy-Ping Jung(鍾子平) | Tel: +1 858 366-8914 Email: tpjung@ucsd.edu | |
| | | | 3. Department of Medicine/Division of Cardiology | http://www.iem.ucsd.edu | 3. http://www.iem.ucsd.edu/people/john-shyy | 3. John Y-J. Shyy, Ph.D.(史允中) | Tel: +1 858 534-3736 Fax: 858-822-3027 Email: jshyy@ucsd.edu | |
| | | | 4. 呂理帆實驗室 Lu Lab, Section of Molecular Biology | Immune regulation; autoimmunity; infection diseases; tumor immunology | https://sites.google.com/site/lifanluslab/ | Prof. Li-Fan Lu | 858-534-9682 lifanlu@ucsd.edu | |
| 87-3 | 美國 | 加州大學-柏克萊分校 University of California-Berkeley | the Center for Energy Efficient Electronics Science (E3S) | Nanoelectronics, Nanomechanics, Nanophotonics, and Nanomagnetism | http://www.e3s-center.org/ | 1. M. Josephine Yuen, Ph.D., Executive Director of Center for Energy Efficient Electronics Science 2. Prof. Ming C. Wu (吳明強教授) | 2.Tel: +1 510 643-0808 wu@eecs.berkeley.edu | 李蕙瑩研究員 02 2737 7150 (SF) |
| 87-4 | 美國 | 加州大學-舊金山分校 University of California-San Francisco | 1. Department of Bioengineering and Therapeutic Sciences 2. Biochemistry and Cardiovascular Research Institute 3. School of Medicine, Department of Neurology | 1. pharmacogenomics of membrane transporters and in pharmacogenomics of metformin. 2. 分子與細胞生物學(Molecular and Cell Biology) 3. Circadian Rhythm, Sleep Homeostasis, Sleep Disorders, Natural short sleeper, Multiple Sclerosis, Leukodystrophy | 1. http://bts.ucsf.edu http://bts.ucsf.edu/people/faculty/profiles/?counter=12 2. http://www.cvri.ucsf.edu/~chuang/index.html 3. https://neurology.ucsf.edu/ | 1. Kathleen M. Giacomini, Ph.D. Professor & Co-Chair 2. Pr. Pao-Tien Chuang 3. Prof. Ying-Hui Fu (傅晏惠教授) | 1. Tel: +1 415 476-1936 Email: kathy.giacomini@ucsf.edu 2. Tel: +1 415 514-0667 Pao-Tien.Chuang@ucsf.edu 3. Tel: +1 415 502-2948, Ying-Hui.Fu@ucsf.edu | 李蕙瑩研究員 02 2737 7150 (SF) |
| 87-5 | 美國 | 加州大學-爾灣分校 University of California- Irvine | Lander Lab | Developmental Biology, Cell Biology, Mathematical/Computational Biology, Glycobiology, Neurobiology, Cancer Biology and Engineering | http://lander-office.bio.uci.edu/ | Arthur D. Lander, M.D., Ph.D. | adlander@uci.edu | 李蕙瑩研究員 02 2737 7150 (LA) |
| 88 | 美國 | 勞倫斯伯克利國家實驗室 Lawrence Berkeley National Laboratory | Advanced Light Source | Synchrotron Radiation-related Sciences | http://www.lbl.gov/ | Dr. Haimei Zheng | Tel: +1 510 486-6943, +1 510 486-6276 hzmzheng@lbl.gov | 李蕙瑩研究員 02 2737 7150 (SF) |
| | | | 1. Structures and Composites Laboratory | 1. a. Structural Health Monitoring; b. Design of Integrated Structures; c. Smart Structures; d. Design & Damage Tolerance of Composites Structures; e. Multi-Functional Materials | 1. http://structure.stanford.edu/ | 1. 張福國教授 Fu-Kuo Chang | Tel: +1 650 723-3466 Email: fkchang@stanford.edu | |
| | | | 2. SLAC National Accelerator Laboratory | 2. a. Accelerator physics; b. Astrophysics and Cosmology; c. Elementary Particles | 2. https://www6.slac.stanford.edu/ | 2. 趙午院士 Alexander Chao | Tel: +1 650 926-2985 Email: achao@slac.stanford.edu | |
| | | | 3. Computational Biology Laboratory | 3. a. Computational Biology; b. Machine Learning; c. Big Data | 3. www.stanford.edu/group/wonglab/ | 3.王永雄院士Wing Hung Wong | Tel: +1 650 725-2915 Email: whwong@stanford.edu | |

| 項次 | 國別 | 研習機構 | 研習單位 | 研習領域 | 研習單位介紹 | 國外研習機構 指導或聯絡人姓名/職稱 | 聯絡資訊 | 科願可窗口 (負責科技組) |
|----|----|--------------------------------|---|---|---|--|--|--------------------------------|
| 89 | 美國 | 史丹佛大學 Stanford University | 4. Stanford Center on Poverty & Inequality | 4. To develop an improved infrastructure for measuring and explaining trends in poverty, inequality, and other distributive outcomes. Research addressing such issues of measurement in the fields of (a) poverty, (b) income inequality, (c) social mobility, (d) educational access, (e) the safety net, (f) the recent recession, (g) racial inequality, (h) residential segregation and poverty, and (i) poverty and discrimination (for details go http://www.stanford.edu/group/scspi/research_home.html). | 4. http://www.stanford.edu/group/scspi/ | 4. David B. Grusky Professor, Dept. of Sociology Director, Stanford Center on Poverty & Inequality | Website: www.grusky.org Email: grusky@stanford.edu Tel: +1 650 724-6912 | 李憲瑩研究員 02 2737 7150 (SF) |
| | | | 5. Center for Integrated Systems | 5. Resistive Switching Memory Device and Application | 5. http://cis.stanford.edu/ | 5. 黃漢聲教授(H.S.Philip Wong) | Paul G. Allen Building 420 Via Palou Mall MS 4070 Stanford, CA 94305-4070 (650)-725-3626 hspwong@stanford.edu | |
| | | | 6. SLAC Bioscience Division and Depts of Bioengineering, Microbiology and Immunology Stanford Bio-X affiliated Faculty | 1. Bioinformatics 2. Nano Medicine and Drug Design 3. Cryo-Electron Microscopy and Tomography 4. Biophysics and Computational Biology | https://profiles.stanford.edu/wah-chiu | 趙華 院士 Prof. Wah Chiu | 318 Campus Dr. S271 Stanford, California 94305 wahc@stanford.edu | |
| | 美國 | 美國西北大學 Northwestern University | 國際先進網路研究中心 International Center for Advanced Internet Research, iCAIR | 資訊科技及智慧運算 Information Technology and Intelligent Computing and Networking Software Defined Infrastructure | http://www.icaire.org/ | Dr. Joe Mambretti, Director of the International Center for Advanced Internet Research, Director StarLight International/National Communications Exchange Facility | +847-491-4357 j-mambretti@northwestern.edu | 李憲瑩研究員 02 2737 7150 (HU) |

| 項次 | 國別 | 研習機構 | 研習單位 | 研習領域 | 研習單位介紹 | 國外研習機構 指導或聯絡人姓名/職稱 | 聯絡資訊 | 科願可窗口 (負責科技組) |
|----|------------|--|---|---|---|---|---|--|
| 90 | 美國 (新增) | 美國西北大學工程學院(McCormick School of Engineering, Northwestern University) | (New) 西北大學工程學院(McCormick School of Engineering, Northwestern University) | 材料科技、資訊科技及智慧運算、理論及先進量子相關科學、分子及細胞生物、生醫科學及工程 1. Nanomaterials 2. Semiconductor Nanosystems 3. Neural Control 4. Artificial Photosynthesis、Molecular Electronics、Quantum Information Science 5. Design Automation of Intelligent Systems 6. Computing Systems、Nano-scale Devices/Materials | https://www.mccormick.northwestern.edu/ 1. https://www.hersam-group.northwestern.edu/research/ 2. http://users.ece.northwestern.edu/~mgrayson/ 3. https://www.mccormick.northwestern.edu/research-faculty/directory/profiles/tresch-matthew.html 4. https://sites.northwestern.edu/wasielewski/group/michael-r-wasielewski/ 5. http://eecs.northwestern.edu/~qzhu/#research 6. https://www.mccormick.northwestern.edu/research-faculty/directory/profiles/khalili-pedram.html | Jennifer Gerrard Director of International Agreements and Visitors 1. Prof. Mark C. Hersam Professor of Materials Science & Engineering 2. Prof. Matthew Grayson Professor of Electrical and Computer Engineering 3. Prof. Matthew Tresch Professor of Biomedical Engineering 4. Prof. Michael R. Wasielewski Professor of Chemistry 5. Prof. Qi Chu Associate Professor of Electrical and Computer Engineering 6. Prof. Pedram Khalili Associate Professor of Electrical and Computer Engineering | Tel: 847-491-5242 E-mail : jennifer.gerrard@northwestern.edu 1. Tel: 847-491-2696 Email: m-hersam@northwestern.edu 2. Tel: 847-491-8137 Email: mgrayson@eecs.northwestern.edu 3. Email: m-tresch@northwestern.edu 4. Tel: 847-467-1423 Email: m-wasielewski@northwestern.edu 5. Tel: 847-491-4898 Email: qzhu@northwestern.edu 6. Tel: 847-467-1035 Email: pedram@northwestern.edu | 駐組提供 李蕙瑩研究員 02 2737 7150 (HU) |
| 91 | 美國 | 美國農業部USDA | 農業研究署Agricultural Research Service (ARS) | 分子及細胞生物 (Molecular and Cellular Biology) 生物多樣性與生態 (Biodiversity and Ecology) | The Agricultural Research Service (ARS) is the U.S. Department of Agriculture's chief scientific in-house research agency. The mission of ARS is finding solutions to agricultural problems that affect Americans every day from field to table. Here are a few numbers to illustrate the scope of ARS: • 690 research projects within 17 National Programs • 2,000 scientists and post docs • 6,000 other employees • 90+ research locations, including overseas laboratories ARS conducts research in the following 4 areas: • Animal production and protection - improve the health, well-being, and efficiency of livestock, poultry, and aquatic food animals to ensure a productive and safe food supply. Emphasis is placed on germplasm characterization, improvement, and conservation; understanding the mechanisms of disease resistance, and the development of tools to prevent, control, or eradicate diseases that threaten our food supply or public health; and identifying and developing sustainable systems for production of high quality meat, milk, and eggs. • Nutrition, Food Safety and Quality - define the role of food and its components in optimizing health for all Americans; develop tests and processes that keep the food supply safe; reduce and control pathogens and toxins in agricultural products; and improve the economic viability and competitiveness of American agriculture by enhancing the quality and utilization of agricultural commodities for the benefit of producers and consumers. • Natural Resources and Sustainable Agricultural Systems - develop technologies that are economical to use and systems that support profitable production and enhance the Nation's vast renewable natural resource base. Research priorities are identified through a continual dialogue with a wide range of customers and stakeholders to ensure that our science is relevant and provides effective solutions to their concerns. Address issues affecting both private and public lands, because together these are the foundation of a healthy and vibrant agricultural industry that not only provides food, feed, fiber, and renewable energy to the nation, but also abundant and high quality supplies of fresh water and clean air, as well as healthy ecosystems. • Crop Production and Protection - deliver science-based information, genetic resources, and technologies for increased crop productivity, economically and environmentally sustainable methods of crop production, and protection from plant diseases and pests. | Dr. Simon Y. Liu (劉耀經副署長) | (202)720-3658 Simon.liu@ars.usda.gov | 李蕙瑩研究員 02 2737 7150 (DC) |

| 項次 | 國別 | 研習機構 | 研習單位 | 研習領域 | 研習單位介紹 | 國外研習機構 指導或聯絡人姓名/職稱 | 聯絡資訊 | 科願可窗口 (負責科技組) |
|----|------------|--|--|---|---|---|---|--|
| 92 | 美國 | (NEW) Discovery Partners Institute (DPI) | Discovery Partners Institute (DPI) | DPI的研究領域: 1. Computing & Data 2. Environment & Water 3. Food & Agriculture 4. Health & Wellness | https://dpi.uillinois.edu/about 1. https://cs.illinois.edu/about/people/faculty/namato 2. https://publichealth.uic.edu/profiles/samuel-dorevitch/ 3. https://ace.illinois.edu/directory/alexwn 4. https://chicago.medicine.uic.edu/directory/name/mark-rosenblatt/ | 1. Prof. Nancy Amato Head of Dept. of Computer Science, UIUC & DPI Sector Lead 2. Prof. Samuel Dorevitch Professor of Environmental and Occupational Health Sciences 3. Alex Winter-Nelson Professor of Agricultural & Consumer Economics, UIUC & DPI Sector Lead 4. Mark I. Rosenblatt Executive Dean, University of Illinois College of Medicine | 1. Tel: (217) 333-3426 Email: namato@illinois.edu 2. Tel: (312) 355-3629 Email: sdorevit@uic.edu 3. Tel: (217) 244-1381 Email: alexwn@illinois.edu 4. Email: mrosenbl@uic.edu | 李蕙瑩研究員 02 2737 7150 (HU) |
| 93 | 美國 | (NEW) 南方衛理公會大學 Southern Methodist University | J.-C. Chiao's Research Group at Department of Electrical and Computer Engineering, Southern Methodist University (電子電腦工程學系 喬榮治研究室) | Micro and Flexible Sensors Biomedical Devices | https://www.smu.edu/Lyle/Departments/ECE/People/Faculty/ChiaoJC | Prof. J.-C. Chiao(喬榮治) | Tel: (214) 768-3113 Email: jchiao@smu.edu | 李蕙瑩研究員 02 2737 7150 (HU) |
| 94 | 美國 (新增) | 威克森林大學(Wake Forest University) | (New) 威克森林大學醫學院(Wake Forest University School of Medicine) | 生醫科學與工程 Biomedical Science and Engineering 分子及細胞生物 Molecular and Cellular Biology | 林慧觀教授現任該大學醫學院前列腺癌症卓越中心主任，主導生醫科學及工程、生子及細胞生物關鍵領域之研究 https://school.wakehealth.edu/Faculty/L/Hui-Kuan-Lin | Hui-Kuan Lin, Ph.D.(林慧觀) Director of Prostate Cancer Center of Excellence, anderson Discover Professor for Cancer Research, Leader of Signaling and Biotechnology Program | Medical Center Blvd, Nutrition (NRC) Building, Room 447, Winston Salem, NC 27157, USA Tel:(336) 713-1483 Email: hulin@wakehealth.edu | 駐組提供 李蕙瑩研究員 02 2737 7150 (DC) |

1. 有加底黃色者，將表示為新(111)年度之實驗室。

2. 紅色字者，表示有修正

3. 藍色字者，表示後有詳細內容說明

4. 粉紅色字，表示部份機構可能有特殊規定或條件限制（例如研習人員身分以博士後為原則、美國有博士後最低年薪之要求等），請與研習機構確認未有超出本計畫補助範圍之其他規定

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