

Curriculum vitae

EMBL Australia Group Leader
 Single Molecule Science node
 School of Medical Sciences
 The University of New South Wales
 Level 3, Lowy Cancer Research Centre
 Sydney, NSW 2052, Australia
T +61 293 858 020
E m.biro@unsw.edu.au
W www.biolab.net

EDUCATION

- 2007 - 2011 **Max Planck Institute of Molecular Cell Biology and Genetics**
 PhD *summa cum laude* (Dr. rer. nat.)
 Ewa Paluch Lab
- 2005 - 2006 **Imperial College of Science, Technology and Medicine**
Massachusetts Institute of Technology
 MSc Bioinformatics & Diploma of the Imperial College
 Paul Matsudaira Lab
- 2002 - 2005 **Imperial College of Science, Technology and Medicine**
 BSc (Hons) Physics & Associateship of the Royal College of Science

APPOINTMENTS

- 01/2016 – present **EMBL Australia**, Single Molecule Science node
The University of New South Wales
 EMBL Australia Group Leader
- 04/2012 – 12/2015 **Centenary Institute of Cancer Medicine and Cell Biology**
 Research Officer, Head of Cellular Mechanobiology - Immune Imaging Program
- 08/2012 – 08/2018 **The University of Sydney**
 Honorary Associate
- 04/2011 – 09/2011 **Max Planck Institute of Molecular Cell Biology and Genetics**
 Postdoctoral Research Fellow - Ewa Paluch Lab
- 10/2007 – 04/2011 **Max Planck Institute of Molecular Cell Biology and Genetics**
 International Max Planck Research School PhD Fellow - Ewa Paluch Lab
- 01/2007 – 09/2007 **Bioinformatics Institute, A*STAR, Singapore**
 Research Associate - Imaging Informatics Group
- 06/2004 – 10/2004 **The Belle Collaboration**
KEK: High Energy Accelerator Research Organisation, Japan
 Research Intern

RESEARCH INTERESTS

Cell biology, biophysics, cancer, immunology, bioimaging, image analysis, tissue engineering, modelling

PROFESSIONAL MEMBERSHIPS

- Vice-president, Australian Society for Mechanobiology (AuSMB)
- Scientific Advisory Board, ARC Training Centre for Innovative BioEngineering
- Board Member of the Alliance for Design and Application in Tissue Engineering, Australia
- Associate Investigator, ARC Centre of Excellence in Advanced Molecular Imaging, Australia
- Associate Faculty member of Faculty of 1000 (F1000) in Cell Adhesion and Migration
- Member of the Biophysical Society, USA
- Member of the Australian Society for Biophysics
- Member of the Australasian Society for Immunology
- Member of the Translational Cancer Research Network
- Member of the Cancer Research Network of The University of Sydney

FUNDING

GRANTS & FELLOWSHIPS

- NHMRC Ideas Grant, Chief Investigator A, \$923,407 AUD, 2021-2024
- NHMRC Ideas Grant, Chief Investigator A, \$860,076 AUD, 2020-2023
- ARC Discovery Project, Chief Investigator A, \$387,834 AUD, 2018-2020
- NHMRC Project Grant, Chief Investigator C, \$553,848 AUD, 2018-2020
- Cancer Council Tasmania, Chief Investigator B, \$20,990 AUD, 2017
- NHMRC Project Grant, Chief Investigator B, \$616,950 AUD, 2016-2018
- NHMRC Project Grant, Chief Investigator D, \$611,995 AUD, 2016-2018
- University of Sydney Cancer Research Fund SPARC, Chief Investigator B, \$135,717 AUD, 2015-2016
- Cancer Institute NSW Early Career Fellowship, sole CI, \$600,000 AUD, 2014-2016
- Cure Cancer Australia Foundation project grant, sole CI, \$99,037 AUD, 2014-2015
- University of Sydney Bridging Support Grant, sole CI, \$30,000, 2014 (declined in favour of above grant)
- Sydney Medical School Early Career Researcher Grant, sole CI, \$25,000 AUD, 2013 – 2014
- International Max Planck Research School PhD Fellowship, sole CI, 2007 - 2011

EQUIPMENT & INFRASTRUCTURE

- Cancer Institute NSW Research Equipment Grant, Chief Investigator B, \$450,000 AUD, 2018
- UNSW Research Infrastructure Scheme, Chief Investigator E, \$302,522 AUD, 2018
- Cancer Institute NSW Research Equipment Grant, Chief Investigator D, \$600,000 AUD, 2017
- ARC Linkage Infrastructure, Equipment and Facilities, CI, \$550,000 AUD, 2017
- UNSW Research Infrastructure Scheme, Chief Investigator C, \$167,000 AUD, 2017
- Cancer Institute NSW Research Equipment Grant, Investigator, \$375,000 AUD, 2016
- Cancer Institute NSW Research Equipment Grant, Chief Investigator D, \$102,000 AUD, 2015
- NHMRC Equipment Grant, Chief Investigator, \$40,120 AUD, 2013

AWARDS

- Sydney Medical School Early Career Overseas Travel Grant, November 2014
- Centenary Travel Award, June 2014
- 1st Prize presentation award, Cure Cancer Australia Researcher Symposium, Melanoma Institute Australia, March 2014
- 1st Prize presentation award, Cell Architecture in Development and Disease Symposium, Australian Society for Biochemistry and Molecular Biology, Lowy Cancer Centre, February 2013
- *Summa cum laude* (Highest distinction) for PhD, Max Planck Institute, Dresden, Germany, 2011
- International Max Planck Research School PhD Fellowship 2007 – 2011
- Dresden International Graduate School for Biomedicine and Bioengineering Conference Travel Award 2010

GRADUATE SUPERVISION

- Kroschwald S (**MSc**, 2009), *Dynamics and Regulation of Cortex Assembly* (Distinction)
- Boden A (**MSc**, 2011), *Nucleation of the Cellular Actin Cortex*
- Galeano Niño JL (**MPhil**, 2015), *Cytoskeletal Dynamics in Cytotoxic T Cell Migration*
- Newman P (**PhD**, 2017), *Stem cell adhesion on carbon nanotube coated biomaterials*
- Cremasco J (**Hons**, 2018), *Imaging of NK Cell-Mediated Lymphocyte Recruitment in 3D*
- Ecker M (**PhD**, 2019), *Interplay between p.membrane & intracellular compartments during T cell activation*
- Galeano Niño JL (**PhD**, 2020), *T cell activation and recruitment mechanisms in the tumour*
- Govendir MA (**PhD**, 2020), *Mechanobiology of T cell-target tumour cell interactions*
- Tearle LJ (**PhD**, ongoing), *Tumour cell escape and invasion*
- Mazalo J (**PhD**, ongoing), *T cell polarisation during migration*
- Cremasco J (**PhD**, ongoing) *NK cell antitumour functions*

SCIENTIFIC AND COMMUNITY ENGAGEMENT

FUNDING AGENCY REVIEW

- National Health and Medical Research Council (NHMRC), Australia - Panel member
- Cancer Australia's Priority-driven Collaborative Cancer Research Scheme (PdCCRS) - Panel member
- Australian Research Council (ARC) - Assessor
- Wellcome Trust (UK) - Reviewer
- Translational Cancer Research Network - Assessor

EDITORIAL WORK

- Editorial Board, Cogent Biology, Taylor & Francis Publishing
- Editorial Board, Science Matters, UZH Publishing

JOURNAL PEER REVIEW

- Cell
- Biophysical Journal
- Journal of the Royal Society Interface
- Journal of Cell Science
- Seminars in Immunology
- Acta Biomaterialia
- International Review of Cell and Molecular Biology
- Journal of Immunology
- Scientific Reports
- PLOS One
- Cells

SELECTION PANELS

- EMBL Australia / CSIRO Group Leader recruitment 2016

LECTURES & COURSE ORGANISATION

- EMBL Australia PhD course 2017, Melbourne, Australia
- UNSW Cellular Mechanisms of Health and Disease (Lecturer, 2017-present)
- University of Sydney Mechanobiology course (Lecturer, 2017-present)

EXAMINATIONS

- PhD (Monash University, University of Sydney, University of Queensland)
- Honours (UNSW)

COMMUNITY OUTREACH

- Charitable fundraising and representation benefitting Cure Cancer Australia Foundation and CanToo
- Collaboration with cancer Consumer Representative via Cancer Voices NSW (Ms. Doanh Tang)

SCIENTIFIC EXCHANGE & COMMUNICATION

- Founder of 'Science 1on1', a scientific exchange scheme at the School of Medical Sciences at UNSW
- Writing for The Conversation and collaboration on articles in The Scientist and New Scientist magazines

CONFERENCE ORGANISATION

- Mechanobiology 2020, Sydney, November 2020 (postponed to October 2021)
- Mechanobiology Down Under, Bronte beach, Sydney, May 2018
- EMBL Australia Scientific Summit, Gold Coast, October 2017

PUBLICATIONS

2021

- McDonald M.M., Khoo W.H., Ng P.Y., Xiao Y., Zamerli J., Thatcher P., Kyaw W., Pathmanandavel K., Grootveld A.K., Moran I., Butt D., Nguyen A., Warren S., **Biro M.**,..., Timpson P., Lee W.M., Baldock P.A., Rogers M.J., Brink R., Williams G.R., Bassett J.H.D., Kemp J.P., Pavlos N.J., Croucher P.I., Phan T.G.. (2021), “Osteoclasts recycle via osteomorphs during RANKL-stimulated bone resorption” [Cell](#) (In press)

2020

- Lamm N., Read M.N., Nobis M., Ly D.V., Page S.G., Masamsetti V.P., Timpson P., **Biro M.** and Cesare A.J. (2020), “Nuclear F-actin counteracts nuclear deformation and promotes fork repair during replication stress” [Nature Cell Biology](#) doi: 10.1038/s41556-020-00605-6
- Galeano Niño J.L., Pigeon S.V., Tay S.S., Colakoglu F., Kempe D., Hywood J., Mazalo J.K., Cremasco J., Govendir M.A., Dagley L.F., Hsu K., Rizzetto S., Zieba J., Rice G., Prior V., O’Neill G.M., Williams R.J., Nisbet D.R., Kramer B., Webb A.I., Luciani F., Read M.N., **Biro M.** (2020), “Cytotoxic T Cells Swarm by Homotypic Chemokine Signalling” [eLife](#) 9:e56554
- Arora A., Galeano Niño J.L., Myaing M.Z., Chia S., Arasi B., Ravasio A., Huang R.Y.J., Dasgupta R., **Biro M.**, and Viasnoff V. (2020), “Two high-yield complementary methods to sort cell populations by their 2D or 3D migration speed” [Molecular Biology of the Cell](#) 31(25): 2779–2790
- Lim H.Y.G., Alvarez Y.D., Gasnier M., Wang Y., Tetlak P., Bissiere S., Wang H., **Biro M.**, Plachta N. (2020), “Keratins are asymmetrically inherited cell fate determinants in the mammalian embryo” [Nature](#) 585(7825):404-409
- Piper A-K., Sophocleous R., Ross S., Evesson F., Saleh O., Bournazos A., Yasa J., Reed C., Woolger N., Sluyter R., Greer P., **Biro M.**, Lemckert F., Cooper S. (2020), “Loss of calpains-1 and -2 prevents repair of plasma membrane scrape injuries, but not small pores, and induces a severe muscular dystrophy” [American Journal of Physiology Cell Physiol](#) 318(6):C1226-C1237
- Patkunarajah A., Stear J.H., Moroni M., Schroeter L., Blaszkiewicz J., Tearle J.L., Cox C.D., Fuerst C., Sanchez-Carranza O., Ocaña Fernández M.D.Á., Fleischer R., Eravci M., Weise C., Martinac B., **Biro M.**, Lewin G.R., Poole K. (2020), “TMEM87a/Elkin1, a component of a novel mechanoelectrical transduction pathway, modulates melanoma adhesion and migration” [eLife](#) 9:e53308
- Galeano Niño J.L., Tay S.S., Tearle J.L.E., Xie J., Govendir M.A., Kempe D., Mazalo J., Drew A.P., Colakoglu F., Kummerfeld S.K., Proud C.G., **Biro M.** (2020), “The Lifeact-EGFP mouse is a translationally controlled fluorescent reporter of T cell activation” [Journal of Cell Science](#) 133(5): jcs238014

2019

- Obeidy, P., Lining, J., Oehlers, S., Zulkhernain, N., Lee, Q., Galeano Niño, J., Kwan, R., Tikoo, S., Cavanagh, L., Mrass, P., Cook, A., Jackson, S., **Biro, M.**, Roediger, B., Sixt, M., Weninger, W. (2019), “Partial loss of actin nucleator Actin Related Protein 2/3 activity triggers blebbing in primary T lymphocytes” [Immunology and Cell Biology](#) 98(2):93-113
- Redpath G.M.I., Ecker M., Kapoor-Kaushik N., Vartoukian H., Carnell M., Kempe D., **Biro M.**, Ariotti N., Rossy J. (2019), “Flotillins promote T cell receptor sorting through a fast Rab5-Rab11 endocytic recycling axis” [Nature Communications](#) 10(1):4392
- Meiring J., Bryce N., Galeano Niño J.L., Gabriel A., Tay S.S., Hardeman E., **Biro M.**, Gunning P. (2019), “Tropomyosin concentration but not formin nucleators mDia1 and mDia3 determines the level of tropomyosin incorporation into actin filaments” [Scientific Reports](#) 9(1):6504
- Mitchell C.B., Black B., Sun F., Chrzanowski W., Cooper-White J., Maisonneuve B., Stringer B., Day B., **Biro M.**, O’Neill G.M. (2019), Tropomyosin Tpm 2.1 loss induces glioblastoma spreading in soft brain-like environments, [Journal of Neuro-Oncology](#) 141(2):303-313

2018

- Moran I., Nguyen A., Khoo W.H., Butt D., Bourne K., Young C., Hermes J., **Biro M.**, ... , Brink R., Read M.N., Phan T.G. (2018), Memory B Cells Are Reactivated in Subcapsular Proliferative Foci of Lymph Nodes, [Nature Communications](#) 9(1):3372

- Pigeon S.V., Govendir M.A., Kempe D., **Biro M.** (2018), *Mechanoimmunology: molecular-scale forces govern immune cell functions*, [Molecular Biology of the Cell](#) 29(16):1919-1926
- Zenker J., White M.D., Gasnier M., Alvarez Y.D., Lim H.Y.G., Bissiere S, **Biro M.***, Plachta N* (2018), *Expanding Actin Rings Zipper the Mouse Embryo for Blastocyst Formation*, [Cell](#) 173(3):776-791 (* senior and corresponding authors)

2017

- Chou J., Poole K., **Biro M.** (2017), *Your body's cells use and resist force, and they move. It's mechanobiology.* [The Conversation](#) October 20, 2017
- Sedzinski J., Hannezo E., Tu F., **Biro M.**, and Wallingford J. (2017), *RhoA regulates actin network dynamics during apical surface emergence in multiciliated epithelial cells*, [Journal of Cell Science](#) 130(2): 420-428
- Marshall A.D., Bailey C.G., Champ K., Vellozzi M., O'Young P., Metierre C., Feng Y., Thoeng A., Richards A.M., Schmitz U., **Biro M.**, Jayasinghe R., Ding L., Anderson L., Mardis E.R., Rasko J.E.J. (2017), *CTCF Genetic Alterations in Endometrial Carcinoma are Pro-tumorigenic*, [Oncogene](#) 36(29):4100-4110

2016

- Newman P., Galenano Niño J.L., Graney P., Razal J.M., Minett A.I., Ribas J., Ovalle-Robles R., **Biro M.***, Zreiqat H.* (2016), *Relationship between nanotopographical alignment and stem cell fate with live imaging and shape analysis*, [Scientific Reports](#) 6:37909 doi: 10.1038/srep37909 (* senior and corresponding authors)
- Tay S.S., Carol H., and **Biro M.** (2016), *TriKEs and BiKEs join CARs on the cancer immunotherapy highway*, [Human Vaccines & Immunotherapeutics](#) 12(11): 2790-2796
- Galeano Niño J.L., Kwan R.Y.Q., Weninger W., and **Biro M.** (2016), *Antigen-specific T cells fully conserve antitumour function following cryopreservation*, [Immunology and Cell Biology](#) 94(4): 411-418
- Sedzinski J., Hannezo E., Tu F., **Biro M.**, and Wallingford J. (2016), *Emergence of an Apical Epithelial Cell Surface In Vivo*, [Developmental Cell](#) 36(1): 24-35

2015

- Newman P., Lu Z., Roohani-Estefani S.I., Church T.L., **Biro M.**, Davies B., King A., Mackenzie K., Minett A.I. & Zreiqat H. (2015), *Porous and strong three-dimensional carbon nanotube coated ceramic scaffolds for tissue engineering*, [Journal of Materials Chemistry B](#) 3(42): 8337-8347
- Tong P.L., Roediger B., Kolesnikoff N., **Biro M.**, Tay S.S., Jain R., Shaw L.E., Grimbaldston M.A., Weninger W. (2015), *The skin immune atlas: three-dimensional analysis of cutaneous leukocyte subsets by in vivo microscopy*, [Journal of Investigative Dermatology](#) 135(1): 84-93

2014

- Munoz M.A.*, **Biro M.***, Weninger W. (2014), *T cell migration in intact lymph nodes in vivo*, [Current Opinion in Cell Biology](#) 30: 17-24 (* equal contribution)
- **Biro M.***, Munoz M.A., Weninger W. (2014), *Targeting Rho-GTPases in immune cell migration and inflammation*, [British Journal of Pharmacology](#) 171(24): 5491-5506 (* corresponding author)
- Weninger W., **Biro M.**, Jain R. (2014), *Leukocyte migration in the interstitial space of non-lymphoid organs*, [Nature Reviews Immunology](#) 14(4): 232-246
- Bovellan M., Romeo Y., **Biro M.**, Fritzsche M., Boden A., Moulding D., Thorogate R., Jégou A., Thrasher A.J., Romet-Lemonne G., Paluch E., Roux P.P., and Charras G. (2014), *Cellular control of cortical actin nucleation*, [Current Biology](#) 24(14): 1628-1635

2013

- **Biro M.**, Romeo Y., Kroschwald S., Bovellan M., Boden A., Tcherkezian J., Roux P.P., Charras G. & Paluch E. (2013), *Cell cortex composition and homeostasis resolved by integrating proteomics and quantitative imaging*, [Cytoskeleton](#) 70(11): 741-754

2011

- Sedzinski J.*, **Biro M.***, Oswald A., Tinevez J.-Y., Salbreux G. & Paluch E. (2011), *Polar actomyosin contractility destabilizes the position of the cytokinetic furrow*, [Nature](#) 476(7361): 462-6 (* equal contribution)
- Puah W.C., Cheok L.P., **Biro M.**, Ng W.T., Wasser M. (2011), *TLM-Converter: reorganization of long time-lapse microscopy datasets for downstream image analysis*, [BioTechniques](#) 51(1): 49-54

BOOK CHAPTER

2015

- **Biro M.*** and Maître J.L. (2015), *Dual Pipette Aspiration: A Unique Tool for Studying Intercellular Adhesion*, [Methods in Cell Biology](#) 125: 255-267, Biophysical Methods in Cell Biology, Vol. I, Elsevier Academic Press, Waltham, MA, USA (* volume cover)

SELECTED TALKS AND CONFERENCE PARTICIPATION

2019

- Australasian Society for Immunology annual meeting 2019, Adelaide, December 8-12 2019 (Invited talk)
- 2019 Melbourne Mechanobiology Symposium, RMIT University, Melbourne, November 2019 (Invited talk)
- EMBL in Australia, QIMR Berghofer Medical Research Institute, Brisbane, September 2019 (Invited talk)
- CellMech 2019, 8th Biennial European Cell Mechanics Meeting, Milan, Italy, June 3-6 2019 (Invited talk)
- Hunter Cell Biology Meeting 2019, Hunter Valley, March 18-22 2019 (Invited talk)

2018

- 9th Garvan Signalling Symposium, Garvan Institute, Sydney, November 2018 (Talk)
- Children's Medical Research Institute, Westmead, November 2018 (Invited talk)
- Centre for Cancer Biology, Adelaide, October 2018 (Invited talk)
- Science Without Borders, European Molecular Biology Laboratory, Germany, Sept. 2018 (Invited talk)
- Walter and Eliza Hall Institute, Melbourne, August 2018 (Invited talk)
- Intl. Conf. on Advanced Polymers, Biomaterials & Nanomedicine, Mauritius, Aug 2018 (Keynote speaker)
- Mechanobiology Down Under, Bronte beach, Sydney, May 2018 (Organiser)

2017

- 76th Annual Meeting of the Japanese Cancer Association, Yokohama, Japan, September 2017 (Invited talk)
- University of Sydney, Faculty of Engineering, Introduction to Mechanobiology course, September 2017 (Invited lecture)
- University of Technology, Sydney, School of Life Sciences, August 2017 (Invited talk)
- Hunter Meeting 2017, Hunter valley, NSW, April 2017 (Session Chair)
- EMBL Australia PhD Course, Monash University, Melbourne, July 2017 (Organiser, session chair)

2016

- ComBio 2016, Brisbane Convention Centre, Brisbane, October 2016 (Invited talk)
- A sense of place: from cells to penguins, Woolcock Institute, Sydney, July 2016 (Invited talk)
- Macquarie University Photonics, Sydney, Australia, July 2016 (Invited talk)
- EMBL Australia showcase, John Curtin SMR, ANU, Canberra, Australia, July 2016 (Invited talk)
- Sydney Cytoskeleton Consortium, inaugural meeting in Sydney, May 2016 (Organiser)
- Olivia Newton-John Cancer Research Centre, Melbourne, Australia, May 2016 (Invited talk)

2015

- Forces in Biology, IMB, UQ, Brisbane, Australia, October 2015 (Invited talk)
- UNESCO International Year of Light, CUDOS ARC Centre of Excellence, July 2015 (Invited lecture)
- Garvan Institute of Medical Research, Sydney, June 2015 (Invited talk)
- Institute of Molecular and Cell Biology, A*STAR, Singapore, May 2015 (Invited talk)
- Institute for Neuroscience and Muscle Research, The Children's Hospital at Westmead, May 2015 (Invited)
- Cure Cancer Australia Researcher Symposium, March 2015 (Talk)
- Hunter Meeting 2015, March 2015 (Talk)

- Gordon Conference/Seminars on Directed Cell Migration, Galveston, TX, USA, Jan 2015 (Talk)
- University of Texas at Austin, Austin, TX, USA, Jan 2015 (Invited talk)

2014

- 5th Tissue Engineering Symposium, ADATE, Sydney, August 2014 (Organising Committee, Session Chair and Abstract/Presentation judge)
- 2014 International Biophysics Congress, IUPAB, Brisbane, Australia, August 2014 (Talk)
- Annual General Meeting of the Centenary Institute, Sydney, August 2014 (Invited talk)
- Fight on the Beaches charity fundraising event for Cure Cancer Australia, July 2014 (Invited talk)
- Children's Cancer Research Unit, Kids Research Institute, Westmead, July 2014 (Invited talk)
- Focus on Microscopy 2014, Sydney, Australia, April 2014 (Selected Talk)
- Cure Cancer Australia Researcher Symposium, Sydney, March 2014 (Talk)
- Sail for Cancer Research, CCAF, Empire Marina at Bobbin Head, Sydney, March 2014 (Invited talk)
- Institute of Molecular and Cell Biology, A*STAR, Singapore, February 2014 (Invited talk)

2013

- Focus on Metastasis, Cancer Research Network, Sydney, June 2013 (Invited talk)
- 3rd Sydney Imaging Group Symposium, Biomedical Imaging Facility, UNSW, March 2013 (Talk)
- 2nd Cell Architecture in Development and Disease Symposium, ASBMB, UNSW, Feb. 2013 (Talk)

2007-2012

- Evaluation of the Max Planck Research School MCBB 2007-2012, Dresden, July 2011 (Invited talk)
- Actin, the Cytoskeleton and the Nucleus, Biophysical Society, Singapore, Nov. 2010 (Poster)
- Mechanics of large molecular assemblies, IFISC, Mallorca, April 2010 (Talk)
- 54th Annual Meeting of the Biophysical Society, San Francisco, February 2010 (Poster)
- Cell Shape Changes, Institut Curie, Paris, France, October 2007 (Talk)

SELECTED COLLABORATIONS

- Nicolas Plachta, IMCB, Singapore: cytoskeletal dynamics in the early mouse embryo
- Mark Read, University of Sydney: computational modelling of biological processes
- Greg Rice, University of Waterloo, Canada: novel spatiotemporal statistics
- Virgile Viasnoff, Mechanobiology Institute, NUS, Singapore: novel quantitative functional assays
- Jakub Sedzinski, University of Copenhagen, Denmark: cytoskeletal forces in epithelial sheets
- Hala Zreiqat, University of Sydney: tissue engineering and nanofabrication
- Jean-Léon Maître, Institut Curie, France: biophysical tools for force, tension and adhesion measurements

SKILLS

- Languages, fluent: Swedish, English, French, Italian and Hungarian; intermediate: German.
- I have extensive skills in programming, notably in Matlab, C++, Perl, R, LabVIEW, especially when applied to image processing, biophysical simulation or instrument control.
- Private Pilot Licence (JAR-FCL PPL-A), General Boat Licence (NSW, Australia), Rescue Diver (PADI), Emergency First Responder (First aid, CPR) and Mental Health First Aid.

REFERENCES

Contact information upon request

Prof. Ewa Paluch, Fellow of Trinity College, University of Cambridge, UK

Prof. Guna Rajagopal, VP-Global Head, Discovery Sciences, Janssen Pharmaceuticals (Johnson&Johnson), USA

Prof. Joe Howard, Emeritus Director, Max Planck Institute CBG / Professor, Yale University, USA