

CURRICULUM VITAE – Carina Mallard

CARINA MALLARD

Professor
Pro-Vice-Chancellor
Institute of Neuroscience and Physiology
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ACADEMIC APPOINTMENTS

2023 -	Pro-Vice-Chancellor	University of Gothenburg
2021 - 2023	Deputy Vice-Chancellor, Research	University of Gothenburg
2018 - 2021	Head of Core Facilities	University of Gothenburg
2015 - 2020	Visiting Professor	Kings College London
2006 -	Professor	University of Gothenburg
2005 - 2006	Lecturer	University of Gothenburg
2003 - 2005	Research Fellow	University of Gothenburg
2002	Docent, Physiology	University of Gothenburg
1999 - 2002	Assistant Professor, VR Fo-Ass	University of Gothenburg

EDUCATION

1995	PhD, Pediatrics	University of Auckland
	Supervisor Prof. Sir Peter Gluckman	
1987	BSc, Physiology	University of Lund

POST-DOCTORAL TRAINING

1996 -1998	Anatomy & Cell Biology	University of Melbourne
	Mentor Prof. Sandra Rees	

PROFESSIONAL DEVELOPMENT, UNIVERSITY OF GOTHENBURG (1 ECTS = 1 week)

2023-2024	Leadership Program SUHF (HeLP)
2018-2019	Leadership Program (CUP) 12-day residential course
2014	Management in Postgraduate Education (HPE202), 5.0 ECTS
2009	Project Management, 7.5 ECTS
2005	Postgraduate Program Management, 5.0 ECTS
2002	Supervision in Postgraduate Program, 1.5 ECTS
2000	Teaching and Learning in Higher Education, 1.0 ECTS

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SUPERVISION - PhD STUDENTS, YEAR OF GRADUATED AND ONGOING

- Sofia Rasmusson: Role of neuronal cilia in autism, ongoing PhD
Wing-Ki Chan : Does serotonin affect infections in the neonate, ongoing PhD
- 2022 Giacomo Gravina: Perinatal Staphylococcus epidermidis infection and the immature brain: a neuroinflammatory link
- 2022 Axel Andersson: Blood Vessels, Biomarkers, and Broken Barriers: Investigations of the Brain Vasculature in Models of Neonatal Brain Injury
- 2022 Maria Hammarlund: The role of the alpha 7 nicotinic acetylcholine receptor in inflammation and brain injury
- 2021 Aura Zelco: Characterization of immune cell profiles in meninges and parenchyma following injury in the developing mouse brain
- 2020 Juan Rodriguez: Targeting apoptosis-inducing factor as a novel therapeutic strategy for preventing perinatal brain injury
- 2018 Gabriella Koning: Magnesium preconditioning in the neonatal brain
- 2017 Amin Mottahedin: The developing brain and systemic inflammation: a Toll-like link with consequences
- 2016 Anna-Maj Albertsson: The role of neonatal immunity in preterm brain injury
- 2015 Veronika Golubinskaya: Bestrophin-3: Localization and function in normal and injured tissues
- 2014 Peter Smith: Central and systemic inflammation in developmental brain injury
- 2011 Sofia Blad: Fetal reactivity assessment during intrapartum stress by analysis of the fetal ECG signal
- 2011 Ylva Carlsson: Apoptotic mechanisms in the neonatal brain following hypoxia-ischemia
- 2011 Linnea Stridh: Inflammation in the immature brain: The role of toll-like receptors
- 2010 Katarina Järlestedt: Inflammation and cell proliferation following perinatal brain injury
- 2008 Pernilla Svedin: Inflammation and neuroprotective strategies in the immature brain after hypoxic-ischemic brain injury
- 2005 Anna-Karin Welin: Pathophysiology of intrauterine asphyxia
- 2005 Malin Gustavsson: Tolerance and injury mechanisms in the developing CNS
- 2004 Saskia Eklind: The role of bacterial endotoxin in the immature brain
- 2004 Katarina Gustafsson-Brywe: Protection of the developing brain with trophic factors: Signaling through serine/Threonine kinase pathways
- 2004 Maj Hedtjärn: Inflammatory response in the immature brain after hypoxia-ischemia

SUPERVISION - INTERNATIONAL PhD STUDENTS, GRADUATED

- 2020 Dr. Takuya Kawamura, Obstetrics, Mie University, Japan, under the co-direction of Dr Tomoaki Ikeda
- 2014 Ms. Idoia Lara Celador, Universidad País Vasco, Spain under the direction of Dr. Enrique Hilario and Dr. Antonia Alvarez
- 2013 Mr. Syam B. Nair, National Institute of Technology Calicut, India, Swedish Institute Guest Scholarship Program

POSTDOCTORAL STUDENTS/JUNIOR RESEARCH FELLOWS - MENTORING

- 2023 - Michelle Lindström, GU (WCMTM Fellow)

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- 2021 - Marziyeh Jabbari, Shahid Beheshti University of Medical Sciences, Tehran
- 2017 - Dr Tetyana Chumak, Prague University, Czech Republic
- 2017 - Dr Maryam Ardalán, Århus University, Denmark (Lundbeck Foundation Fellow)
- 2016 - 2024 Dr Veronika Golubinskaya, University of Gothenburg
- 2017 - 2020 Dr Gagandeep Mallah, Auckland University, New Zealand, now at Astra Zeneca, Gothenburg
- 2017 - 2019 Dr Rozita Anderberg, University of Gothenburg
- 2015 - 2019 Dr Jacqueline Lai, University of British Columbia, Canada, now runs own Educational company, Canada
- 2015 - 2016 Dr Massimo Muratore, University of Edinburgh, UK, now Researcher at University of Gothenburg
- 2015 - 2016 Dr Peter Smith, University of Gothenburg, now at Astra Zeneca, Gothenburg
- 2013 - 2016 Dr Syam Nair, National Institute of Technology Calicut, Kerala, India, now Research Fellow at University of Gothenburg
- 2012 - 2014 Dr Nina Erkenstam, University of Gothenburg, now at Gothia Forum
- 2010 - 2014 Dr Barbara D'Angelo, L'Aquila University, Italy, now Uni of Pittsburgh
- 2012 - 2014 Dr Anna Wolf, University of Gothenburg
- 2010 - 2013 Dr Joakim Ek, Melbourne, Australia, now Lecturer, University of Gothenburg
- 2009 - 2011 Dr Fernando Correa, Spain, now Lecturer, Argentina
- 2009 - 2011 Dr Hayde Bolouri, Gothenburg University, now CEO at Biomed Sciencia, Sweden
- 2009 - 2011 Dr Bobbi Fleiss, Melbourne, Australia, now Researcher at Royal Melbourne Institute of Technology RMIT, Melbourne
- 2007 - 2009 Dr Justin Dean, Auckland, New Zealand, now Associate Professor, Auckland, New Zealand
- 2006 - 2008 Dr Catherine Rousset, Tour, France, now at KCL, London

SUPERVISION - MASTERS THESIS

- 2017 Alexandra Quist: The effect of systemic inflammation on the glial plasticity of developing hippocampus, Medicine program, Sahlgrenska Academy, in the developing brain, Medicine program, Sahlgrenska Academy, 30 ECTS
- 2017 Carl-Johan Mohn: Effect of Toll-like receptor 2 suppression on mitochondrial respiration and hypoxic-ischemic injury in the developing brain, Medicine program, Sahlgrenska Academy, 30 ECTS
- 2016 Moshtak Karma: Nanoparticle-based therapy for neonatal hypoxia-ischemia, Medicine program, Sahlgrenska Academy, 30 ECTS
- 2014 Malin Pasanen: Effects of immunomodulating peptides in TLR3-induced brain injury, Pharmacy, Sahlgrenska Academy
- 2013 Carl Bergh: The neuroprotective role of Nrf2 in perinatal brain injury, Medicine program, Sahlgrenska Academy, 30 ECTS
- 2012 Luqi Duan: The role of Staphylococcus epidermidis in the newborn brain, Zhengzhou University, China, 1 year exchange project
- 2012 Linda Pettersson: Effects of TLR2 activation on the brain, Pharmacy, Sahlgrenska Academy
- 2012 Lili Qiao: Mechanisms of perinatal white matter injury, Fudan University, Shanghai, 1 year exchange project

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2011	Lovisa Lansing: Microglia phenotype following hypoxic-ischemic injury in the newborn brain, Pharmacy, Linköping University, 20 weeks
2009	Patric Resare: Microglia phenotyping, Biomedicine Program, University of Uppsala, 20 weeks
2009	Xiaonan Du: Role of TLR2 in Staphylococcus epidermidis infection, Third Affiliated Hospital of Zhengzhou University, China, 1 year exchange project
2006	Josefin Caous: The Effect of MMP-9 Knock-Out on Inflammation in Neonatal Mice Brain Damage after Hypoxia-Ischemia, Medicine Program, Sahlgrenska Academy, 20 ECTS
2005	Kajsa Larsson: The effect of melatonin on proliferating cells after intrauterine asphyxia, Sahlgrenska Academy, 20 weeks
2005	Parzhin Tahir: The role of MyD88 adapter molecule in neonatal hypoxic-ischemic brain injury, Pharmacy, Sahlgrenska Academy, 30 ECTS
2004	Emma Beijer: Expression of TLR-4 in term and first trimester human placenta, Summer School, University of Gothenburg
2002	Pernilla Arvidsson: Effects of IL-18 on white matter in immature mouse brain after hypoxia-ischemia, Biomedical Science, exam project, 30 ECTS
2002	Anna Lindblom: Formation of free radicals in the immature brain during asphyxia in the fetal sheep, Biomedical Laboratory Science, Exam project, 30 ECTS
2001	Joanna Kaim: Detection of HSV-2, IL-18, caspase-1 and microglia in the genital tract and central nervous system of mice after genital herpes infection, Pharmacy, Sahlgrenska Academy, 30 ECTS
2001	Elisabet Nielsen: Effects of endotoxin induced damage on the immature brain, Pharmacy Summer School, 7.5 ECTS
2000	Marie Becker: Endotoxin increases hypoxia-ischemia induced injury in the immature brain: the role of glucose and cytokines, Medicine Program, 30 ECTS
1997	Jhodie Duncan: Cerebral blood flow in the hypoxemic fetal sheep, Department of Anatomy and Cell Biology, University of Melbourne, Australia. Honours project
1997	Alison Rehn: Effect of IUGR on the hippocampus, Dept. of Anatomy and Cell Biology, University of Melbourne, Australia, Honours project

SUPERVISION - INTERNATIONAL MASTERS THESIS, PROGRAM IN MEDICINE, SA

2020	Charlotte Andersson, RMIT, Melbourne
2020	Mia Larusson, RMIT, Melbourne
2017	Anna Allen, University of Auckland
2017	Elsa Lappalainen, Monash University
2016	Nidi Matin, Monash University
2015	Johanna Milding, University of Auckland
2015	Marcus Svensson, University of Auckland
2015	Johan Karlsson, University of Auckland

SUPERVISION - ERASMUS STUDENTS

2022	Fanny Goretta, France
2021	Mathilde Nesson-Dauphin, France
2019	Eva Hermans, The Netherlands

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2017 Audrey Maisson, Lyon, France
2016 Perinne Faure, UCB Lyon, France
2016 Aura Zelco, Trieste, Italy

SERVICE

Service to the Institute of Neuroscience and Physiology

2006 – 2010 Study Director of postgraduate training at Dept. Neuroscience and Physiology
2006 – 2010 Chair, Department research and postgraduate committee
2002 – 2016 Teaching management in Dental, Dieticians and Pharmacy Program
2002 – 2005 Teaching management, Course Director, Anatomy and Physiology (15 ECTS), Biomedical Laboratory Science Program
2002 – 2005 Teaching management, Seminar coordinator, Dept. of Physiology

Service to the Medical School, Sahlgrenska Academy (SA), University of Gothenburg

2018 - 2021 Head of Core Facilities, University of Gothenburg
2016 - 2020 Co-director, Experimental Biomedicine, University of Gothenburg
2016 Consultative assembly in the recruitment of vice-chancellor and deputy vice-chancellor, University of Gothenburg
2016 Organizer, International Teacher Mobility, Incoming Professor Zena Vexler, UCSF, USA
2015 - 2021 Scientific committee for Academy PhD positions, SA, (Chair 2019, 2021)
2011 - 2015 Scientific committee, Mary von Sydow stipends for medical students, SA
2011 - 2015 Management postgraduate studies, Overall Study Director at SA
2011 - 2015 Sahlgrenska Academy Board for PhD courses, Chair
2005 – 2010 Experimental Biomedicine Research Committee, SA, Chair
2005 – 2010 Council for Research Education

Service to the Profession – National

2022 - National Science for Life Laboratory, Board
2021 - 2022 National Science for Life Laboratory, Scientific Committee
2020 - 2021 Swedish Research Infrastructure Council (VR-RFI)
2016 - 2020 Chair, Study section for Swedish Research Council (VR-Beredningsgrupp)
2016 Organizer international conference on “Perinatal Brain Injury: mechanisms, consequences and treatments”, 120 participants from Europe, USA, Canada, China, Australia and New Zealand
2014 - 2017 Scientific Committee, Swedish governmental grants in public health (LUA/ALF)
2014 - 2020 Scientific Committee, Swedish Research Council
2009 – 2014 Scientific Committee, Pediatric Foundation
2004 – 2010 Swedish National Animal Ethics Board, Swedish Research Council

Service to the Profession – International

2020 ERC Synergy grants, European Union
2019 Chiesi, Advisory Board, Italy

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2018	Telethon Kids Institute, Perth, Australia, invited international panel
2017	The Portuguese Foundation for Science and Technology (FCT), invited international panel, Portugal
2016	NINDS Workshop on Translational Stroke Research: Vision and Opportunities, Invited Panel, NIH, Bethesda, USA
2015	The Portuguese Foundation for Science and Technology (FCT), invited international Special Complaints Reviewer, Portugal
2015	ERA-NET NEURON, invited Peer Review Panel, European Union
2015	NHLBI Perinatal Stroke Workshop, Invited Panel, NIH, Bethesda, USA
2013	The Portuguese Foundation for Science and Technology (FCT), invited international panel, Portugal
2012	TV3 Marató Call, Spain, invited international panel, Spain
2011 -	Assistant Editor, Developmental Neuroscience
2010 - 2016	Editorial board, Neuropharmacology
2005 - 2021	Board member, Fetal and Neonatal Physiological Society

Research grant and academic collegial reviews

2023	For the position of Professor, University of California, Riverside, School of Medicine
2022	For the position of Professor, level 6, University of California San Francisco
2021	For the position of Docent, University of Lund, Sweden
2019	For the position of Professor, University of Lund, Sweden
2017	NHMRC program grant, Australia
2016	Israeli Science Foundation
2016	For position of Lecturer, University of Örebro, Sweden
2015	For the position of Tenure Associate Professor, EMORY University, USA
2015	National Science Centre, Poland
2013	For the position of Professor of Obstetrics and Gynecology with tenure, University of Texas Health Science Center, USA
2013	Auckland Medical Research Foundation
2013	For the position of Docent in Neuroscience, Karolinska Institute, Sweden
2013	For the position of Researcher, Wilhelm Research Fund, The Netherlands
2013	National Children's Research Centre, Dublin, Ireland
2012	Auckland Medical Research Foundation
2012	For the position of Principle Research Associate, Pathology, Harvard Medical School, USA
2011	For the position of NHMRC Research Fellowship, Australia
2008	For the position of Docent, Molecular Medicine, University of Lund, Sweden

Faculty Opponent/External Examiner of PhD thesis

2015	Effects of high-dose caffeine on the cerebrum of the immature ovine brain, Anzari Atik, Monash University, Australia
2014	Identification, mechanisms and treatment of perinatal brain injury, Paul Drury, University of Auckland
2014	The role of MAP kinase cascade in neonatal brain response to hypoxia-ischemia insult, Laura Thei, University College London, UK

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- 2011 Therapeutic hypothermia and its effects on the preterm fetal sheep, Robert Barrett, University of Auckland
- 2011 Hypothermia and room air resuscitation in NT2-N neurons, immature rats and newborn pigs, Marit Dalen, University of Oslo
- 2010 A role for growth hormone in neurorestoration and neurogenic processes in the brain, Praneeti Pathipati, University of Auckland
- 2003 Cell death and synaptic remodeling as a consequence of perinatal asphyxia, Wilma van deBerg, University Hospital, Maastricht

RESEARCH

Invited speaker at international meetings since 2010

- 2025 Pediatric Academic Societies (PAS) Annual Meeting 2025, Honolulu, USA
- 2022 Dean's Lecture Series, University of Colorado, Denver, USA
- 2022 13th Hershey Conference on Developmental Brain Injury, Seattle, USA
- 2021 Dean's Lecture Series (Virtual), University Hospital Essen, Germany
- 2019 Ritchie Centre 50th Year Anniversary Colloquium, Melbourne, Australia
- 2019 European Neonatal Brain Club, Berlin, Germany
- 2019 7th Shanghai Neonatal Forum, Shanghai, China
- 2019 XXIXth International Symposium on Cerebral Blood Flow, Metabolism and Function (BRAIN & PET), Yokohama, Japan
- 2018 The 2nd International Cerebral Palsy Genomics Consortium Conference, Zhengzhou, China
- 2018 European Workshop on Fetal Growth Restriction, Prato, Italy
- 2018 AIS Visiting Speaker Award, Auckland University, Auckland, NZ
- 2018 AIS Visiting Speaker Award, King Edward Memorial Hospital for Women & Curtin University, Perth, Australia
- 2017 AIS Visiting Speaker Award, The Women's and Children's Hospital, Adelaide
- 2017 Women Leaders in Science, Technology and Engineering, the State of Kuwait
- 2017 44th Fetal and Neonatal Physiological Society meeting, Osaka, Japan
- 2017 European Neonatal Brain Club, Edinburgh, UK
- 2017 The Perinatal Society of Australia and New Zealand, Canberra, Australia
- 2017 6th Shanghai Neonatal Forum, Shanghai, China
- 2016 Fetal and Neonatal Physiological Society, Cambridge, UK
- 2015 Perinatal Stroke Workshop, NIH, Bethesda, Maryland, USA
- 2015 43rd, European Teratology Society Annual, Amsterdam, The Netherlands
- 2014 The Association for Applied Human Pharmacology, Munich, Germany
- 2014 European Workshop on Neonatal Transition, Prato, Italy
- 2014 42nd Conference of the European Teratology Society, Hamburg, Germany
- 2014 MRC Centre for Reproductive Health, Univ. of Edinburgh, UK
- 2014 Obstetrics/Neonatology, Johns Hopkins, Baltimore, USA
- 2013 Fetal Physiology workshop, University of Auckland, New Zealand
- 2013 Pediatric Academic Society, Washington, USA (2 plenary lectures)
- 2013 4th Shanghai Neonatal Forum, Shanghai, China
- 2012 8th Hershey Conference on Developmental Brain Injury, London, UK
- 2011 8th IIMA 6th World Conference, Sharjah, United Arab Emirates
- 2011 NEUROBID, Salzburg, Austria

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2010 European Academy of Paediatric Societies, Copenhagen, Denmark

Awards and Fellowships

2023 The Royal Society of Arts and Sciences in Gothenburg (KVVS)
2018 Australian Immunological Society Visiting Speaker Award, Australia
2013 International Teacher Mobility, University of Gothenburg
1999 – 2002 Swedish Research Council Associate Professorship Award
1996 – 1998 SIDS Post-Doctoral Fellowship, Melbourne, Australia
1994 Young Investigator, Health Research Council, New Zealand
1992 Award for Best Presenter, European Society for Pediatric Research, Uppsala, Sweden

Major grants, Mallard

The Swedish National Research Council has continuously supported my scientific projects since 1999. Additional national and international grants: Public Health Service at the Sahlgrenska University Hospital (ALF), EU grants (Neobrain, FP6 and Neurobid, FP7, PREMSTEM, Horizon2020); Transatlantic Foundation Leducq (USA and Europe); VINNOVA, Marie Curie, Swedish Brain Foundation, Torsten Söderberg Foundation and currently two RO1 from NIH (USA).

Publications

Overall, >250 peer reviewed publications, H-index (GS April 2025): 75; Citations: 20,092. PubMed: <https://pubmed.ncbi.nlm.nih.gov/?term=Mallard+C&sort=date>

TEACHING

Undergraduate teaching, 1 ECTS = 1 week

2005 - 2021 Medical program, Physiology & Pharmacology, 45 ECTS. Lecturing, seminars and oral final exam, 300 students/year).
2005 – 2015 Dental program, Anatomy and Physiology, 15 ECTS. Lecturing and seminars, 80 students/year.
2009 – 2015 Pharmacy program, Anatomy and Physiology, 15 ECTS. Lecturing and seminars, 90 students/year.
2007 – 2014 Dietetics Programme, Anatomy and Physiology, 15 ECTS. Lecturing and seminars, 30 students/year.
2002 – 2006 Biomedical Laboratory Science, Anatomy and Physiology, 15 ECTS. Lecturing and seminars, 40 students/year.

Postgraduate teaching, 1 ECTS = 1 week

2017 Brain Development and Neurodevelopmental Disorders, 1.0 ECTS, Karolinska Institute, Stockholm
2016 Different perspectives on development in children with functional deficits, 7.5 ECTS, Dept of Pediatrics, University of Gothenburg
2012 Consequences of brain injury in children and young adults II, 6.0 ECTS, Dept. of Physiology & Dept. of Paediatrics, University of Gothenburg, course director
2011 Neuroscience with clinical applications, 7.5 ECTS, Institute of Neuroscience and Physiology, University of Gothenburg, Course Director
2010 Consequences of brain injury in children and young adults I, 1.5 ECTS,



CURRICULUM VITAE – Carina Mallard

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| | Dept. of Physiology & Dept. of Paediatrics, University of Gothenburg,
Course Director |
| 2008 | Physiology of the circulatory system, 2.5 ECTS, University of Gothenburg. |
| 2003 | Perinatal injury mechanisms, Research Day, September 23, Dept.
Obstetrics and Gynaecology, University of Gothenburg |
| 2000 | Developmental and Perinatal Physiology, August 1-10, Karolinska
Institute, Stockholm |
| 1999 | Injury and Repair in the Developing Brain, February 8-11, GU |