

Melina Schuh

Director, Department of Meiosis
Max Planck Institute for Multidisciplinary Sciences
Am Fassberg 11 | 37077 Göttingen | Germany
melina.schuh@mpinat.mpg.de | Phone: +49-551 201-26001
<http://www.mpinat.mpg.de/mschuh>
Twitter: @SchuhLab
Date of Birth: 14 April 1980
Place of Birth: Bad Pyrmont, Germany

Positions

Max Planck Institute for Multidisciplinary Sciences (MPI NAT)

Director

Department of Meiosis

Göttingen, Germany

since Jan 2022

Max Planck Institute for Biophysical Chemistry (MPI BPC)

Director

Department of Meiosis

Göttingen, Germany

Jan 2016 – Dec 2021

MRC Laboratory of Molecular Biology (MRC LMB)

Programme Leader (Tenured)

Programme Leader Track

Senior Investigator Scientist

Programme: Meiosis in mammalian oocytes

Cambridge, UK

Sept 2014 – Dec 2015

Sept 2010 – Aug 2014

Dec 2008 – Aug 2010

European Molecular Biology Laboratory

Bridging Postdoc - Group of Jan Ellenberg

Ph.D. Student - Group of Jan Ellenberg

Project: Acentrosomal spindle assembly and spindle relocation in mouse oocytes

Heidelberg, Germany

July 2008 – Nov 2008

Oct 2004 – June 2008

Bayreuth Center for Molecular Biosciences

Diploma student - Group of Stefan Heidmann and Christian Lehner

Project: Analysis of the mechanism of CENP-A incorporation into centromeres

Bayreuth, Germany

Sept 2003 – June 2004

Education

European Molecular Biology Laboratory & University of Heidelberg

Dr. rer. nat. Summa cum laude

Heidelberg, Germany

Oct 2004 – June 2008

University of Bayreuth

Studies of Biochemistry

Diplom Very good (1.0; passed with distinction)

Vordiplom Very good (1.0; passed with distinction)

Bayreuth, Germany

Oct 1999 – March 2004

Honors and Awards

Selected to give Opening Lecture of the Max Planck Society's 75-Year Anniversary General Assembly	2023
Honorary Professor at University of Göttingen	2023
Margaret Prine Joy Lecture in Reproductive Sciences	2022
Selected for "Ahead of the Curve" Book on outstanding women scientists of the MRC LMB	2021
The Maclyn McCarty Memorial Lecture	2020
Member of the Leopoldina (German National Academy of Sciences)	2019
Gottfried Wilhelm Leibniz Prize (Germany's Highest Research Award), German Research Foundation	2019
Colworth Medal, Biochemical Society	2019
EMBO Gold Medal	2018
Binder Innovation Award, German Society for Cell Biology	2016
EMBO Member	2016
John Kendrew Award, EMBL	2015
Lister Institute Research Prize	2014
Early Career Award, Biochemical Society	2014
EMBO Young Investigator Program	2013 – 2015
Doctoral fellowship awarded by the Studienstiftung des deutschen Volkes	2005 – 2008
EMBL predoctoral fellowship	2004 – 2008
Student fellowship awarded by the Studienstiftung des deutschen Volkes	2002 – 2004

Funding

DFG GRK "Cytoskeletal Elements of Active Matter" (58,160 Euro)	2023 – 2027
Gottfried Wilhelm Leibniz Prize (2,500,000 Euro)	2019 – 2026
Cluster of Excellence Multiscale Bioimaging (56,000,000 Euro for Cluster)	2018 – 2025
ERC Starting Grant 'ChromOocyte' (1,487,611 Euro)	2014 – 2019
Lister Institute Research Prize (200,000 GBP)	2014
FP7 Collaborative Grant 'MitoSys' (367,200 Euro)	2010 – 2015
EMBO Young Investigator Program (45,000 Euro)	2013 – 2015

Professional Activities

Principal Investigator in DFG GRK "Cytoskeletal Elements of Active Matter"	since 2022
Member of Current Biology's Editorial Board	since 2022
Jury member Hermann-Neuhaus-Award of the Max Planck Society	since 2022
External Mentor in MRC LMB Mentoring Scheme	since 2021
Organizer of the Symposium of the Biomedical Section, Max Planck Society	2020
Member of the Editorial Board of Current Opinion in Cell Biology	since 2020
Member of Advisory Board Max Planck Biolmaging (MaxBI)	since 2020
Principal Investigator in Multiscale Bioimaging Excellence Cluster, University of Göttingen	since 2019
Scientific Advisory Council Global Consortium for Female Reproductive Longevity and Equality	since 2019
Conference co-organizer EMBO Workshop on Meiosis, La Rochelle, France	2019
Conference main organizer 117th International Titisee Conference, Lake Titisee, Germany	2018
Member of Editorial Board of Seminars in Cell and Developmental Biology	since 2018
Co-editor Methods Cell Biol. Vol. 144 & 145 - Mitosis & Meiosis	2018
Member of various core and standing committees of the Max Planck Society	since 2017

Member of selection committee for free-floating Max Planck Research Group Leaders	<i>since 2017</i>
Organization of the Cell and Developmental Biology Seminar Series at MPI NAT	<i>since 2016</i>
Member of Committee for Ethics in Security Relevant Research of the Max Planck Society	<i>since 2016</i>
Member of AcademiaNet	<i>since 2013</i>
Editorial Advisory Board of Journal of Cell Science	<i>since 2014</i>
Member of MRC Cambridge Ethical Review Committee	<i>2011 – 2014</i>
Member of MRC LMB Animal Facilities Management Committee	<i>2010 – 2013</i>
School ambassador in SET-Routes Program of EMBO, EMBL and CERN	<i>2007 – 2009</i>

Examples of Outreach Activities

Interviews with Newspapers or Magazines, including FAZ, Brigitte, Stern, Cambridge Independent, HNA, Göttinger Tageblatt, Faktor Magazine, Lab Times

TV Interviews with BBC, ITV and NDR

TV documentary and art exhibition “Meeting of Minds”

Presentation of our research to Her Majesty, the Queen during the MRC LMB’s Opening Ceremony

Presentation of our research to the UK Chancellor George Osborne

Presentation of our research to Jo Johnson, UK Minister for Universities, Science, Research and Innovation

Participation in Max Planck Goes to School

Participation in Göttingen Science Night

Participation in “Girls’ Day, Boys’ Day”

Teaching Activities

Lectures and exams

Undergraduate

Lecturer & Examiner Developmental and Cell Biology (BSc), University of Göttingen	<i>since WS 2019/20</i>
Lecturer & Examiner Natural Sciences Tripos (BSc), Pt II Zoology, Cambridge University	<i>2012-2014</i>

Graduate

Lecturer & Examiner in Molecular Biology MSc/PhD Program	<i>since 2017</i>
Lecturer & Examiner in Developmental, Neural and Behavioural Science MSc Program	<i>since 2017</i>

PhD

Lecturer International Max Planck Research School for Genome Science	<i>since WS 2017/18</i>
Lecturer International Max Planck Research School for Physics of Biological and Complex Systems	<i>since SS 2017</i>

Lab rotations / practicals in Schuh department

29 MSc students - Practicals Developmental, Neural and Behavioral Biology MSc Program	<i>since WS 2019/20</i>
12 MSc students - Practicals Molecular Biology MSc/PhD Program	<i>since WS 2021/22</i>
3 MSc students - Lab Rotations Developmental, Neural and Behavioural Science MSc Program	<i>since SS 2018</i>
29 MSc students - Lab Rotations Molecular Biology MSc/PhD Program	<i>since 2016</i>
1 Medicine student - Lab Rotation	<i>2020</i>

Member of 31 Thesis Advisory Committees	<i>since 2016</i>
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Defenses

Member of examination board in various defenses at University of Göttingen	since 2017
Examiner in various defenses at University of Cambridge and University College London	2013-2015

Selected Invited Talks

Imaging Mouse Development Conference , Heidelberg, Germany	09/2024
EMBL-EMBO Symposium Microtubules , Heidelberg, Germany	06/2024
Meeting of the German Society of Developmental Biology, Keynote Lecture , Osnabrück, Germany	03/2024
LS2 Annual Meeting, Keynote Lecture , Lausanne, Switzerland	02/2024
ASCB Meeting, Symposia Lecture , Boston, USA	12/2023
University of Konstanz, "Peter Hemmerich Lecture" , Konstanz, Germany	11/2023
6th German-French DNA Repair Meeting, Keynote Lecture , Mainz, Germany	09/2023
Centrosome and Spindle Pole Bodies , Istanbul, Turkey	09/2023
University of Bayreuth, "Bayreuth Biology Lecture" , Bayreuth, Germany	07/2023
Opening Lecture Max Planck Society's 75-Year Anniversary General Assembly , Göttingen, Germany	06/2023 06/2023
EMBO Workshop Meiosis , Pamhagen, Austria	05/2023
Gordon Research Conference and Seminar Germinal Stem Cell Biology , Barcelona, Spain	04/2023
Mitotic spindle: From living and synthetic systems to theory Conference , Dubrovnik, Croatia	03/2023
Meeting of the Senate of the Max Planck Society , Ingelheim, Germany	03/2023
EUROVA BOB Forum , Lodi, Italy*	02/2023
Institute of Molecular Biology , Oregon, USA*	
Janelia Imaging Mouse Development Conference , Ashburn, USA*	09/2022
Life Sciences Symposium , Lausanne, Switzerland*	09/2022
55th Society for the Study of Reproduction Annual Meeting , Spokane, USA*	07/2022
European Cytoskeletal Forum Meeting 2022 , Hannover, Germany	05/2022
Magee-Womens Research Institute, Margaret Prine Joy Lecture in Reproductive Sciences , Pittsburgh, USA*	05/2022
ChromoPloidy EMBO Workshop , Vienna, Austria*	05/2022
AGRBM & EFA 2-Ländertreffen , Salzburg, Austria*	04/2022
University of Lausanne , Lausanne, Switzerland*	03/2022
European Research Council , Brüssel, Belgium*	03/2022
Hertha Sponer College Lecture Series , Göttingen, Germany *	02/2022
Salamanca Cancer Research Center (CIC) , Salamanca, Spain*	12/2021
Max Planck Bio Imaging Central Assembly , Göttingen, Germany*	11/2021
Fertility Center Berlin , Berlin, Germany*	11/2021
Oncode-CGC Annual Conference, Oncode Institute , Netherlands*	11/2021
National Institute of Environmental Health Sciences , North Carolina, USA*	10/2021
DVR Conference, Keynote Lecture , Bonn, Germany*	10/2021
Institute of Biophysical Chemistry, University of Frankfurt , Germany*	10/2021
European Human Genetics Conference , Vienna, Austria*	08/2021
Frontiers in Bioimaging PSB symposium , EPN Campus Grenoble, France*	07/2021
Deutsche Akademie der Naturforscher Leopoldina , Halle (Saale), Germany*	06/2021
The Graduate School of Life Science of Utrecht University/Utrecht Medical Center , Utrecht, Netherlands*	06/2021
University of California (UCLA) Molecular Biology Institute , Los Angeles, USA*	05/2021
btS – Life Sciences Studierendeninitiative e.V. , Göttingen, Germany	05/2021

The Students and Postdocs Meiosis Workshop, Keynote Lecture, Montpellier, France*	04/2021
Instituto Gulbenkian de Ciência, Oeiras, Portugal *	02/2021
Stowers Institute for Medical Research, Kansas City, USA*	02/2021
Center of Reproductive Health Sciences in the OBGYN Department at Washington University School of Medicine, St. Louis, USA*	02/2021
Virginia Tech Life Science Seminar Series (VTLSS), Fralin Life Sciences Institute, Virginia USA*	01/2021
Institute for Anatomy and Cell Biology, Gießen, Germany*	12/2020
Center for Interdisciplinary Research in Biology (CIRB), Paris, France*	11/2020
Max Planck Institute of Molecular Cell Biology and Genetics, Dresden, Germany*	11/2020
Origins of Aneuploidy Research Consortium*	11/2020
University of California Davis, Davis, USA*	11/2020
Northwestern University, Chicago, USA *	11/2020
The Rockefeller University, The Maclyn McCarty Memorial Lecture, New York, USA*	10/2020
CSHL Germ Cells meeting, New York, USA*	10/2020
Caltech, Pasadena, USA*	09/2020
Meiosis in Quarantine Webinar Series (hosted by Cornell), USA*	07/2020
Vienna BioCenter, Vienna, Austria *	07/2020
LMB-GGNB Graduate Life Sciences Symposium, Cambridge, UK*	07/2020
MRC London Institute of Medical Sciences, London, UK*	06/2020
Life Sciences Annual Meeting, Zurich, Switzerland	02/2020
Crick Institute, London, UK	11/2019
University of Geneva, Geneva, Switzerland	11/2019
2018 ASCB EMBO Meeting, EMBO Gold Medal Lecture, San Diego, USA	12/2018
Institut für Humangenetik, Göttingen, Germany	10/2018
Max-Planck-Förderstiftung, Munich, Germany	10/2018
Center for Genomic Regulation Symposium, Barcelona, Spain	09/2018
ESHRE Annual Meeting, Barcelona, Spain	07/2018
Gordon Research Conference Meiosis, New London, USA	06/2018
Harvard University, Cambridge, USA	06/2018
Harvard Medical School, Boston, USA	06/2018
12th Biennial Alpha Conference, Keynote Lecture, Reykjavik, Iceland	05/2018
117th International Titisee Conference, Lake Titisee, Germany	04/2018
DGZ Young Scientist's Forum, Berlin, Germany	02/2018
Max Planck Institute of Molecular Physiology, Dortmund, Germany	02/2018
EMBO/EMBL Symposium: Seeing is Believing, Heidelberg, Germany	10/2017
EMBO Members Meeting, Heidelberg, Germany	10/2017
WoCaNet Conference, Göttingen, Germany	10/2017
Friedrich-Löffler-Institut, Mariensee, Germany	09/2017
Aetiology of Human Aneuploidy Meeting, Barcelona, Spain	09/2017
EMBO Conference on Meiosis, Hvar, Hungary	08/2017
Horizons in Molecular Biology Symposium, Göttingen, Germany	09/2016
EMBO/EMBL Symposium: Actin in Action, Heidelberg, Germany	09/2016
Lister Award Lecture, Cambridge, UK	07/2016
EMBO Workshop: Chromosome segregation and aneuploidy, Galway, Ireland	06/2016
EMBO/EMBL Symposium: Microtubules, Heidelberg, Germany	05/2016
Annual Meeting of the DGZ, Munich, Germany	03/2016
IRB Student Symposium, Barcelona, Spain	11/2015
Francis Crick Institute, London, UK	10/2015

Gurdon Institute Seminar Series , Cambridge, UK	10/2015
EMBO Cell Cycle Workshop , Budapest, Hungary	09/2015
EMBO Meiosis Meeting , Oxford, UK	09/2015
EMBL Heidelberg, John Kendrew Award Lecture , Heidelberg, Germany	07/2015
Young Embryologist Network Annual Meeting , London, UK	05/2015
Lister Institute Annual Meeting , Cambridge, UK	09/2014
The Dynamic Cell Conference , Cambridge, UK	09/2014
EMBL 40th Anniversary Reunion , Heidelberg, Germany	07/2014
MRC LMB Alumni Symposium , Cambridge, UK	07/2014
Sir William Dunn School of Pathology , Oxford, UK	06/2014
MPI for Biophysical Chemistry , Goettingen, Germany	05/2014
The Research Institute of Molecular Pathology , Vienna, Austria	04/2014
ASCB Meeting , New Orleans, USA – invited talk and session chair	12/2013
EMBO EMBL Symposium Seeing is Believing , Heidelberg, Germany	10/2013
MRC Laboratory of Molecular Cell Biology , London, UK	09/2013
Gordon Research Conference Fertilization & Activation of Development , Holderness, USA	07/2013
Gordon Research Conference Molecular Membrane Biology 2013 , Andover, USA	07/2013
EMBO Workshop - Oocyte Maturation and Fertilization , Banyuls-sur-Mer, France	06/2013
British Meiosis Conference , Cambridge, UK	03/2013
Phillips Universitaet Marburg , Marburg, Germany	06/2012
Bayreuther Zentrum für Molekulare Biowissenschaften , Bayreuth, Germany	06/2012
MRC Clinical Sciences Centre , London, UK	04/2012
University of Edinburgh - Monday Seminar Series , Edinburgh, UK	04/2012
Annual Meeting of the German Society for Cell Biology , Dresden, Germany	03/2012
Institute of Biotechnology - University of Helsinki , Helsinki, Finland	02/2012
Warwick Medical School - Distinguished Visitors Series , Warwick, UK	01/2012
IMP, MFPL, IMBA, GMI - Postdoc Invited Speaker Series , Vienna, Austria	12/2011
UK-Japan Cell Cycle Meeting , Windermere, UK	04/2011
Annual Meeting of the German Society for Cell Biology , Bonn, Germany	03/2011
Institute of Ageing and Health , Newcastle, UK	01/2010
University of Konstanz , Konstanz, Germany	11/2009
Cold Spring Harbor Germ Cell Meeting , Cold Spring Harbor, USA	10/2008
ELSO Meeting , Nice, France	09/2008

**webinar*