
CURRICULUM VITAE

Address: Max Perutz Labs
Dr. Bohr-Gasse 9/4
A-1030 Vienna
e-mail: alex.dammermann@univie.ac.at
Web site: www.maxperutzlabs.ac.at/dammermann
Phone: +43 1 4277 54681

Education:

2016 Habilitation, University of Vienna, Austria
1998-2003 Ph.D., University of Edinburgh, UK
1994-1997 B.A. Natural Sciences (1st Class), University of Cambridge, UK, M.A. (2001)

Academic Positions Held To Date:

Since 2015 Associate Professor, University of Vienna, Austria
2010-2015 Junior Group Leader at Max Perutz Labs, Assistant Professor, University of Vienna, Austria (2014)
2003-2010 Post-doctoral fellow in laboratory of Prof. Karen Oegema, Ludwig Institute for Cancer Research, San Diego, CA
1999-2003 Ph.D. student in laboratory of Dr. Andreas Merdes, Wellcome Trust Centre for Cell Biology, University of Edinburgh, UK
1998-1999 Rotation student in laboratories of Profs. Austin Smith, William C. Earnshaw, and Karen Chapman, University of Edinburgh, UK
1997-1998 Visiting student in laboratory of Prof. Moshe Oren, Weizmann Institute of Science, Israel
1996-1997 Undergraduate student in laboratory of Prof. Sir John B. Gurdon, University of Cambridge, UK
1996 Summer student in laboratory of Prof. William C. Earnshaw, University of Edinburgh, UK

Awards And Prizes:

2012 START award, Austrian Science Fund (FWF)
2002 'UK Young Cell Biologist of the Year', British Society for Cell Biology
1997 Natural Sciences prize, Peterhouse, University of Cambridge
1995 Scholar of Peterhouse, University of Cambridge, Senior Scholar (1996)

Teaching:

Since 2015 Co-organizer, Vienna Biocenter Summer School for pre-doctoral students
Since 2012 Participant, graduate program (DK) Chromosome Dynamics
Since 2010 Lectures and practical courses at University of Vienna
VO Cell biology (Bachelor's lecture series)
UE Bioinformatics (1-week Bachelor's practical course)
UE Molecular Biology (2-week Bachelor's practical course)
UE Advanced Genetics, *C. elegans* (2-week Master's practical course)
PS Advanced Biochemistry (Journal club for Master's students)
2006-2008 Teaching assistant, *C. elegans* course at Cold Spring Harbor Laboratory, NY

Mentoring:

Since 2010 Independent group leader at Max Perutz Labs, managing team currently composed of 3 Post-docs, 3 Ph.D. students, 1 Master's student and 1 technician

Professional Activities:

- Member of EU COST Actions BioBrillouin (Brillouin Light Scattering Spectroscopy) and GENiE (Group of *C. elegans* new investigators in Europe)
- Member of graduate program (DK) and associate member of special research area (SFB) 'Chromosome Dynamics', funded by the Austrian Science Fund (FWF) for 2012-2019

- Member of American Society for Cell Biology (ASCB) and British Society for Cell Biology (BSCB) since 2002
- Reviewer for journals including Current Biology, Developmental Cell, eLIFE, EMBO Journal, EMBO Reports, Journal of Cell Biology, Molecular Biology of the Cell, Nature Cell Biology, Nature Communications, PLOS Biology, PLOS Genetics and Scientific Reports, as well as funding agencies including ANR, BBSRC, ERC, HFSP, NWO and Wellcome Trust

Funding:

2021-2024	Project grant 'Molecular Analysis of Interphase Centrosomal Structures', Austrian Science Fund (FWF), #P30760-B20, 425k Euro
2020-2022	Bridge 1 grant 'Developing CryoEM/CLEM methods for analysis of cellular architecture', Austrian Research Promotion Agency (FFG), #P880579, 225k Euro
2018-2021	Project grant 'Identification and characterization of novel ciliogenesis factors', Austrian Science Fund (FWF), #P30760-B20, 393k Euro
2012-2018	START award "Molecular Analysis of Centriole Assembly and Function", Austrian Science Fund (FWF) #Y597-B20, 1.2m Euro
2012-2019	Doctoral program (DK) "Chromosome Dynamics", Austrian Science Fund (FWF) #W1238-B20, 300k Euro (co-investigator)
2012-2015	Project grant "Centriole assembly and function in ciliogenesis", Austrian Science Fund (FWF) #P24296-B20, 397k Euro (terminated 2012 with START award)

Presentations At International Conferences (Last 5 Years):

2019	ASCB/EMBO 2019 meeting, Washington, DC
2019	Czech cilia meeting, Prague, Czech Republic (Invited speaker)
2019	<i>C. elegans</i> cytoskeleton workshop, Tel Aviv, Israel (Invited speaker)
2018	ASCB/EMBO 2018 meeting, San Diego, CA
2018	EMBO Conference "Cilia 2018", Copenhagen, Denmark (Invited speaker)
2017	EMBO Conference "Centrosomes and Spindle Pole Bodies", Heidelberg, Germany
2017	GENIE PI meeting, Prague, Czech Republic
2017	FASEB Summer Research Conference "The Biology of Cilia and Flagella", Scottsdale, AZ
2016	GDR CIL Symposium on Model Organisms for Cilia Investigations, Institut Imagine, Paris, France (Invited speaker)
2015	FASEB Summer Research Conference "Biology of Cilia and Flagella", Snowmass, CO
2014	EMBO Conference "Centrosomes and Spindle Pole Bodies", Lisbon, Portugal (Invited speaker)
2014	Bayer Life Science Workshop "Centrosome Function: Opportunities for Cancer Treatment", Berlin, Germany (Invited speaker)

Invited Seminars:

2019	Wellcome Centre for Cell Biology, Edinburgh, UK
2018	CRBM, Montpellier, France
2018	Institut Curie, Paris, France
2018	Department of Biochemistry, University of Oxford, UK
2016	i3S, University of Porto, Portugal
2015	Institut Jacques Monod, Paris, France

Profiles And Commentaries Related To Lab And Lab Publications:

2020	Gen-Mutationen wurden den letzten Mammuts zum Verhängnis. Der Standard, 21 February and articles on CNN, Endgadget, Forbes, FOX News, ORF, Popular Mechanics, Die Presse, Spektrum der Wissenschaft, etc (National and international news coverage of Fry 2020)
2019	Zellteilung ohne Ankerpunkte gerät zur zellulären Katastrophe. Der Standard, 13 July (Article in national press on Cabral 2019)
2017	Nechipurenko, Inna and Sengupta, Piali. The rise and fall of basal bodies in the nematode <i>C. elegans</i> . Cilia 6, 9. (Review article on Serwas 2017).
2015	Leslie, Mitch. Cilia drop anchor. J Cell Biol 210, 3. (In focus feature on Schouteden 2015)

- 2015 Prosser, Suzanna and Pelletier, Laurence. Centrosome Biology: The Ins and Outs of Centrosome Assembly. *Curr Biol* 25, R656–9. (News & views article on Laos 2015)
- 2014 Sorz, Uschi. Jungforscherinnen. *Falter Heureka* 2. April (Profile of Gabriela Cabral in national press)
- 2013 Sluder, Greenfield. Centriole engagement: it's not just cohesin any more. *Curr Biol* 23, R659-660. (News & views article on Cabral 2013)
- 2013 Klebersubstanzen halten Zentriolen in Schach. *Der Standard*, 22 July (Article in national press on Cabral 2013)
- 2012 Kuffner, Astrid. Den Dirigenten des Zellskeletts verstehen. *Der Standard* 22 August (Profile in national press)
- 2012 Schmidt, Veronika. Das Zentriol: Winzige Struktur, große Wirkung. *Die Presse* am Sonntag 17 June (Article in national press on START award)

PUBLICATIONS

Research Articles (Peer-Reviewed):

- *1. Garbrecht, J.*, T. Laos*, E. Holzer, M. Dillinger, and A. Dammermann. 2021. An Acentriolar Centrosome At The *C. elegans* Ciliary Base. **Curr Biol.** Apr 1:S0960-9822(21)00362-6. Online ahead of print. (*authors contributed equally)
- *2. Dobbelaere, J., M. Schmidt Cernohorska, M. Huranova, D. Slade, and A. Dammermann. 2020. Cep97 Is Required For Centriole Structural Integrity And Cilia Formation In *Drosophila*. **Curr Biol.** 30:3045-56.
3. Fry, E., S.K. Kim, S. Chigurapti, A. Ratan, A. Dammermann, B.J. Mitchell, W. Miller, and V.J. Lynch. 2020. Accumulation And Functional Architecture Of Deleterious Genetic Variants During The Extinction Of Wrangel Island Mammoths. **Genome Biol Evol.** 12:48-58.
- *4. Cabral, G.*, T. Laos*, J. Dumont, and A. Dammermann. 2019. Centriole-Dependent And Independent Steps In Mitotic Centrosome Assembly. **Dev Cell.** 50:355-66. (*authors contributed equally)
5. Link, J., D. Paouneskou, M. Velkova, A. Daryabeigi, T. Laos, S. Labella, C. Barroso, S.P. Pinol, A. Montoya, H. Kramer, S.M. Markert, C. Stigloher, E. Martinez-Perez, A. Dammermann, M. Alsheimer, M. Zetka, and V. Jantsch. 2018. Lamin Phosphorylation Dynamics Accommodate Landmark Meiotic Prophase Events. **Dev Cell.** 45:212-25.
- *6. Hellerschmied, D.*, M. Roessler*, A. Lehner*, L. Gazda, K. Stejskal, R. Imre, K. Mechtler, A. Dammermann, and T. Clausen. 2018. UFD-2 Is An Adaptor-Assisted E3 Ligase Targeting Unfolded Proteins. **Nat Commun.** 9:484. (*authors contributed equally)
- *7. Serwas, D., T.Y. Su, M. Roessler, S. Wang, and A. Dammermann. 2017. Centrioles Initiate Cilia Assembly But Are Dispensable For Maturation And Maintenance In *C. elegans*. **J Cell Biol.** 216:1659-1671.
8. Molodtsov, M.I., C. Mieck, J. Dobbelaere, A. Dammermann, S. Westermann, and A. Vaziri. 2016. A Force-Induced Directional Switch Of A Molecular Motor Enables Parallel Microtubule Bundle Formation. **Cell.** 167:539-552.
- *9. Wei, Q., Y. Zhang, C. Schouteden, Y. Zhang, Q. Zhang, J. Dong, V. Wonesch, K. Ling, A. Dammermann, and J. Hu. 2016. The Hydrolethalus Syndrome Protein HYLS-1 Regulates Formation Of The Ciliary Gate. **Nat Commun.** 7:12437.
10. Kodani, A., T.W. Yu, J.R. Johnson, D. Jayaraman, T.L. Johnson, L. Al-Gazali, L. Sztriha, J.N. Partlow, H. Kim, A.L. Krup, A. Dammermann, N. Krogan, C.A. Walsh, and J.F. Reiter. 2015. Centriolar satellites assemble centrosomal microcephaly proteins to recruit CDK2 and promote centriole duplication. **eLife.** 4:e07519.
- *11. Laos, T., G. Cabral, and A. Dammermann. 2015. Isotropic Incorporation Of SPD-5 Underlies Centrosome Assembly In *C. elegans*. **Curr Biol.** 25:R648-649.
- *12. Schouteden, C.*, D. Serwas*, M. Palfy, and A. Dammermann. 2015. The Ciliary Transition Zone Functions In Cell Adhesion But Is Dispensable for Axoneme Assembly in *C. elegans*. **J Cell Biol.** 210:35-44. (*authors contributed equally)
- *13. Cabral G., S. Sanegre Sans, C.R. Cowan, and A. Dammermann. 2013. Multiple mechanisms contribute to centriole separation in *C. elegans*. **Curr Biol.** 23:1380-7.
14. Qiao R., G. Cabral, M.M. Lettman, A. Dammermann, and G. Dong. 2012. SAS-6 coiled-coil structure and interaction with SAS-5 suggest a regulatory mechanism in *C. elegans* centriole assembly. **EMBO J.** 31:4334-47.
- *15. Dammermann, A.*, H. Pemble*, B.J. Mitchell, I. McLeod, J.R. Yates III, C. Kintner, A. Desai, and K. Oegema. 2009. The Hydrolethalus syndrome protein HYLS-1 links core centriole structure to cilia formation. **Genes Dev.** 23:2046-2059. (*authors contributed equally)
16. Essex, A., A. Dammermann, L. Lewellyn, K. Oegema, and A. Desai. 2009. Systematic analysis in *Caenorhabditis elegans* reveals that the spindle checkpoint is composed of two largely independent branches. **Mol Biol Cell.** 20:1252-1267.

- *17. Dammermann, A., P.S. Maddox, A. Desai, and K. Oegema. 2008. SAS-4 is recruited to a dynamic structure in newly forming centrioles that is stabilized by the gamma-tubulin-mediated addition of centriolar microtubules. **J Cell Biol.** 180:771-785.
18. Portier, N., A. Audhya, P.S. Maddox, R.A. Green, A. Dammermann, A. Desai, and K. Oegema. 2007. A microtubule-independent role for centrosomes and Aurora A in nuclear envelope breakdown. **Dev Cell.** 12:515-529.
19. Schlaitz, A.L., M. Srayko*, A. Dammermann*, S. Quintin*, N. Wielsch, I. MacLeod, Q. de Robillard, A. Zinke, J.R. Yates III, T. Muller-Reichert, A. Shevchenko, K. Oegema, and A.A. Hyman. 2007. The *C. elegans* RSA complex localizes protein phosphatase 2A to centrosomes and regulates mitotic spindle assembly. **Cell.** 128:115-127. (*authors contributed equally)
20. Srsen, V., N. Gnadt, A. Dammermann, and A. Merdes. 2006. Inhibition of centrosome protein assembly leads to p53-dependent exit from the cell cycle. **J Cell Biol.** 174:625-30.
- *21. Dammermann, A., T. Muller-Reichert, L. Pelletier, B. Habermann, A. Desai, and K. Oegema. 2004. Centriole assembly requires both centriolar and pericentriolar material proteins. **Dev Cell.** 7:815-29.
22. Freeman, A.I., H.L. Munn, V. Lyons, A. Dammermann, J.R. Seckl, and K.E. Chapman. 2004. Glucocorticoid down-regulation of rat glucocorticoid receptor does not involve differential promoter regulation. **J Endocrinol.** 183:365-74.
23. Dammermann, A. and A. Merdes. 2002. Assembly of centrosomal proteins and microtubule organization depends on PCM-1. **J Cell Biol.** 159:255-266.

Reviews/Methods Chapters:

- *24. Serwas, D. and A. Dammermann. 2015. Ultrastructural Analysis of *C. elegans* Cilia. **Methods Cell Biol.** 129:341-367.
25. Dammermann A., L. Cipak, and J. Gregan. 2012. Microtubule organization: a pericentriolar material-like structure in yeast meiosis. **Curr Biol.** 22:R229-31.
26. Green, R.A., A. Audhya, A. Pozniakovsky, A. Dammermann, H. Pemble, J. Monen, N. Portier, A. Hyman, A. Desai, and K. Oegema. 2008. Expression and imaging of fluorescent proteins in the *C. elegans* gonad and early embryo. **Methods Cell Biol.** 85:179-218.
- *27. Dammermann, A., A. Desai, and K. Oegema. 2003. The minus end in sight. **Curr Biol.** 13:R614-R624.

* Corresponding author. From 2010 lab members underlined.