

CURRICULUM VITAE

Dr. Sebastian Glatt

Max Planck Research Group Leader

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Date of birth: 03.04.1981 in Vienna

Nationality: Austria

Education & Research Experience

H-index: 13 (Google Scholar)

Citations: 481 (Google Scholar)

09/2015 - presence	<i>Max Planck Research Group Leader</i>	MCB/UJ Krakow, PL
01/2013 – 08/2015	<i>Staff Scientist</i>	EMBL Heidelberg, DE
01/2011 – 12/2012	<i>Postdoctoral Fellow</i> Christoph W. Müller	EMBL Heidelberg, DE
01/2008 – 01/2011	<i>Postdoctoral Fellow</i> <i>EMBL Interdisciplinary Postdoc Fellowship</i> Christoph W. Müller Claus Nerlov	EMBL Heidelberg, DE EMBL Monterotondo, IT
04/2004 – 10/2007	<i>PhD</i> (Doktor rer.nat. with Distinction) Boehringer Ingelheim Exploratory Research/University of Vienna, AT Wolfgang Sommergruber, Norbert Kraut	
09/1999 – 02/2004	<i>M.Sc.</i> (Magister rer. nat. with Distinction) in Genetics and Microbiology Boehringer Ingelheim Exploratory Research/University of Vienna, AT Michael Gmachl, Wolfgang Sommergruber, Norbert Kraut	

Scientific Awards, Fellowships and Grants

- FNP Team Tech Core Facility (Project leader, 2018 – 2021; 850k €)
- FNP Homing 2 (Research Partner, 2018 – 2020; 190k €)
- FNP First Team 1 (Project leader, 2016 – 2019; 475k €)
- NCN Polonez 1 (Research partner, 2016 – 2018; 210k €)
- NCN Opus 10 (Project leader, 2016 – 2019; 390k €)
- EMBO Installation Grant 2015 (Project leader, 2016 – 2019; 180k €)
- EMBL Interdisciplinary Postdoc Fellowship MCAA (2008 – 2011)

Boards and Scientific Societies

- Member of the MCB Board
- EMBO IG/YIP
- Scientific Council Member SMM
- Elected Member of the Young Academy of Europe (YAE)
- Coordinator of MCB Core Facilities
- Project Leader of the cryo-EM facility at the Solaris Synchrotron
- Chair of the EMBL Postdoc Association 2009 – 2011

Publication list (H-Index 13, i10-Index 13, 481 citations) *shared contribution

- Kojic M, Gaik M, Kiska B, Salerno-Kochan A, Hunt S, Tedoldi A, Mureev S, Jones A, Whittle B, Genovesi LA, Adolphe C, Brown DL, Stow JL, Alexandrov K, Sah P, **Glatt S***, Wainwright BJ*; Elongator mutation in mice induces neurodegeneration and ataxia-like behavior; **Nat Comm.** 2018 Aug;9(1)
- Lin TY and **Glatt S**, *tRNA modification by Elongator protein 3 (Elp3)*, Encyclopedia of Inorganic and Bioinorganic Chemistry 2018 (book chapter)
- Sokołowski M*, Klassen R*, Bruch A, Schaffrath R, **Glatt S**; *Cooperativity between different tRNA modifications and their modification pathways*; **Biochim Biophys Acta.** 2018 Apr;1861(4)
- Dauden MI*, Jaciuk M*, Müller CW, **Glatt S**; *Structural asymmetry in the eukaryotic Elongator complex*, **FEBS Lett.** 2017 Sep;592(4)
- Mehlgarten C, Prochaska H, Hammermeister A, Abdel-Fattah W, Wagner M, Krutyhołow R, Jun SE, Kim GT, **Glatt S**, Breunig KD, Stark MJR, Schaffrath R; *Use of a yeast tRNase killer toxin to diagnose Kti12 2 motifs required for tRNA modification by Elongator*, **Toxins** 2017 Sep;9(9).
- Dauden MI, Kosinski J, Kolaj-Robin O, Desfosses A, Ori A, Faux C, Hoffmann NA, Onuma OF, Breunig KD, Beck M, Sachse C, Seraphin B, **Glatt S***, Müller CW*; *Architecture of the yeast Elongator complex*, **EMBO Rep.** 2017 Feb;18(2)
- **Glatt S**, Zabel R, Kolaj-Robin O, Onuma OF, Baudin F, Graziadei A, Taverniti V, Lin TY, Baymann F, Séraphin B, Breunig KD, Müller CW; *Structural basis for tRNA modification by Elp3 from Dehalococcoides mccartyi*. **Nat Struct Mol Biol.** 2016 Sep;23(9)
- Luna-Zurita L, Stirnimann CU, **Glatt S**, Kaynak BL, Thomas S, Baudin F, He D, Small EM, Mileikovsky M, Holloway AK, Nagy A, Pollard KS, Müller CW & Bruneau BG; *Cooperative interactions and locus tethering as the basis for regulation of cardiogenesis by heterotypic transcription factors*; **Cell** 2016 Feb 25; 164 (5)
- Silva-Martin N*, Daudén MI*, **Glatt S**, Hoffmann NA, Kastritis P, Bork P, Beck M and Müller CW.; *The combination of X-ray crystallography and cryo-electron microscopy provides insight into the overall architecture of the dodecameric Rvb1/Rvb2 complex*; **PLoS One** 2016 Jan 8; 11 (1)
- Hoffmann NA, Jakobi AJ, Moreno-Morcillo M, **Glatt S**, Kosinski J, Hagen WJH, Sachse C, Müller CW; *Molecular structures of unbound and transcribing RNA polymerase III*; **Nature** 2015 Dec 10; 528 (7581)
- Jeske M, Bordi M, **Glatt S**, Müller S, Rybin V, Müller CW and Ephrussi A; *The crystal structure of the Drosophila germ line-inducer Oskar identifies two domains with distinct Vasa helicase- and RNA-binding activities*; **Cell Rep.** 2015 Jul 28; 12(4)
- Male G, von Appen A, **Glatt S**, Taylor NMI, Cristovao M, Groetsch H, Beck M and Müller CW; *Architecture of TFIIIC and the role of $\tau 131$ in RNA polymerase III pre-initiation complex assembly*; **Nat Comm.** 2015 June 10; 6
- **Glatt S***, Zabel R*, Vonkova I, Kumar A, Netz D, Pierik A, Lill R, Gavin AC, Balbach J, Breunig KD, Müller CW; *Kti11/Kti13 structure reveals its dual its role in Elongator dependent tRNA modification*

and diphthamide biosynthesis; **Structure** 2015 Jan 6; 23(1)

- Singh B, **Glatt S**, Ferrer JL, Dunder J, and Hansman GS; *Structural implications of feline norovirus protruding domain*; **Virology** 2015 Jan 1; 474
- Alfieri C, Gambetta MC, Matos R, **Glatt S**, Sehr P, Fraterman S, Wilm M, Müller J. & Müller CW; *Structural basis for targeting the chromatin repressor Sfnbt to Polycomb response elements*; **Genes Dev.** 2013 Nov 1;27(21)
- Taylor NM, **Glatt S**, Hennrich ML, von Scheven G, Grotsch H, Fernandez-Tornero C, Rybin V, Gavin AC, Kolb P & Müller CW; *Structural and functional characterization of a phosphatase domain within yeast general transcription factor IIIC*; **J Biol Chem.** 2013 May 24;288(21)
- **Glatt S**, Müller CW; *Structural insights into Elongator function*; **Curr Opin Struct Biol.** 2013 Apr;23(2)
- **Glatt S**, Séraphin B, Müller CW; *Elongator: transcriptional or translational regulator?* **Transcription.** 2012 Aug 14;3(6)
- **Glatt S**, Létoquart J, Faux C, Taylor N, Séraphin B and Müller CW; *The Elongator subcomplex Elp456 is a hexameric RecA-like ATPase*; **Nat Struct Mol Biol.** 2012 Feb 19;19(3);
- **Glatt S**, Alfieri C, Müller CW; *Recognizing and remodeling the nucleosome*; **Curr Opin Struct Biol.** 2011 Jun; 21(3)
- **Glatt S**, Halbauer D, Heindl S, Wernitznig A, Kozina D, Su KC, Puri C, Garin-Chesa P, Sommergruber W; *hGPR87 contributes to viability of human tumor cells*; **Int J Cancer.** 2008 May 1; 122(9);
- Dohnal AM, Inthal A, Felzmann T, **Glatt S**, Sommergruber W, Mann G, Gadner H and Panzer-Grümayer ER; *Leukemia-associated antigenic isoforms induce a specific immune response in children with T-ALL*; **Int. J. Cancer.** 2006: Dec 15;119(12)

Patents & Patent Applications

Glatt S, Sommergruber W, Haslinger C, Stratowa C, Garin-Chesa P; Patent Application #EP06120540.7, “Inhibitors of GPR87 for cancer therapy”; March 2008

Other Responsibilities

- Main organizer of the 1st Elongator meeting, 2018, Krakow, Poland
- Head of the MCB Media Kitchen
- Organizer and Coordinator of MCB Seminar Series
- Head of the EMBL Heidelberg High-Throughput Crystallization Facility (2010 - 2015)
- Lecturing activity at UJ Krakow (International Mobility)
- Organization and Coordination of Synchrotron trips (BESSY, DESY, Soleil)
- Crystallography Practical, EMBL Predoc Course Instructor & Supervisor (2009 - 2014)
- Chromatin and Remodeling Practical, EMBL Predoc Course Supervisor (2008)
- EMBL Postdoc Retreat, Main Organizer (2009 and 2010), Co-organizer (2008 and 2011)
- Regular reviewing activities for FWO, NAR, Nature Comm, BBA and CMLS

Selected Lectures, Meetings and Conference Presentations

- 1st Elongator Meeting, MCB, Krakow, Poland 2018
- EMBO YIP Meeting, IMP, Vienna, Austria 2018
- PhosMOrg Symposium 2018, Kassel, Germany 2018 (invited speaker)
- RNA Salon Poznan, UAM, Poznan, Poland 2017 (invited speaker)
- NCN Info meeting for research in Poland, Paris, France 2017 (invited speaker)
- 6th EUROBIOTECH Congress, Krakow, Poland 2017 (keynote speaker)
- International Conference on Electron Microscopy, Jachranka, Poland 2017 (keynote speaker)
- Politechnika Łódzka University of Technology, Łódz, Poland 2017 (invited speaker)
- EMBO Structural & RNA Sectorial Meetings, Heidelberg, Germany 2017 (invited speaker)
- SMM Spring School of Molecular Medicine, Warsaw, Poland 2017 (invited speaker)
- RNA Club Warsaw, Warsaw, Poland, 2017 (invited speaker)
- Workshop for Computational & Structural Biology, Serock, Poland 2017 (invited speaker)
- University of Göttingen, Germany 2017 (invited speaker)
- University of Bonn, Germany 2017 (invited speaker)
- University of Warsaw/CENT III, Warsaw, Poland 2016 (invited speaker)
- Nencki Institute, Warsaw, Poland 2016 (invited speaker)
- International Student Conference of Cell Biology, Krakow, Poland 2016 (plenary speaker)
- EMBO Workshop on Computational Biology, Jablonna, Poland 2016 (invited speaker)
- International Institute of Molecular and Cell Biology, Warsaw Poland, 2016 (invited speaker)
- Winter School Department of Medical Biotechnology UJ, Rytro, Poland 2016 (invited speaker)
- University of Halle, Halle/Saale, Germany 2015 (invited speaker)
- University of Kassel, Kassel, Germany 2015 (invited speaker)
- German Cancer Research Center, Heidelberg, Germany 2015 (invited speaker)
- Laboratory of Molecular Biology, Cambridge, UK 2015 (invited speaker)
- tRNA Conference 2014, Kyllini, Greece 2014 (selected speaker)
- EMBO Conference on Molecular Machines, Heidelberg, Germany 2014 (selected speaker)
- University of Regensburg, Germany 2013 (invited speaker)
- LMU Munich, Germany 2012 (invited speaker)
- MedUni Innsbruck, Austria 2011 (invited speaker)