

Curriculum Vitae – Sebastian Peer PhD

Personal information

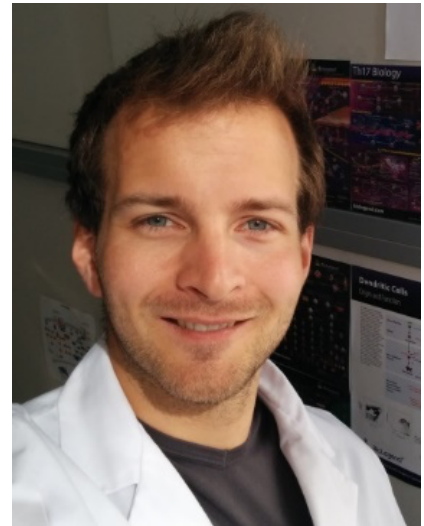
Date of birth: September 1st, 1988

Nationality: Austria

Marital status: Long-term relationship, one son

Business address: Institute of Cell Genetics
Department of Genetics and Pharmacology
Medical University Innsbruck
Peter-Mayr-Str. 1a
6020 Innsbruck, Austria

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Main area of research:

T cell signaling with focus on CD8⁺ T cell differentiation, tumor immunology and autoimmunity

Education and work experiences

09.1998-06.2006	Scientific gymnasium APP Innsbruck
10.2007-02.2011	Bachelor studies Biology , LFU Innsbruck
11.2007-01.2009	Bachelor studies Chemistry, LFU Innsbruck
02.2011-04.2014	Master studies “Molecular cell and developmental biology” , LFU Innsbruck
02.2012-06.2012	Laboratory assistant (mouse work and genotyping) in the gastroenterological laboratory of Herbert Tilg and Arthur Kaser at the Medical University Innsbruck (MUI)
10.2011-08.2014	Teacher training for biology and chemistry, LFU Innsbruck
10.2014-10.2019	PhD in “Molecular cell biology and oncology” , MUI, Institute of Cell Genetics PhD thesis “Role of Cbl-b in autoimmunity and tumor immunity”
10.2015-07.2019	PhD student representative and member of the senate of the MUI
2016-2019	Meeting Organizer (Life Science PhD meeting Innsbruck ; ~250-300 participants/year)
11.2019-today	Postdoctoral researcher , MUI, Institute of Cell Genetics

Non-scientific work experiences: paramedic, trumpet player, supervisor and german teacher in language summer camps for Italian kids, waiter, salesperson

Students/Teaching

I acquired quite a few educational skills during my teacher training at the LFU Innsbruck and via teaching German to classes of Italian students (age 8-14) over the course of eight years.

- 2016 Maria Pommermayr – Bachelorthesis (Co-Supervisor)
- 2018 Patrick Bantsich – Bachelorthesis (Co-Supervisor)
- 2020 Clarisse Engl – Bachelorthesis (Co-Supervisor)
- 2020/21 Patrick Bantsich - Masterthesis (Co-Supervisor)
- 2022 Isabel Vikoler – Bachelorthesis (Co-Supervisor)
- 2022 Annika Bolze – Bachelorthesis (Co-Supervisor)

Additional skills

Laboratory techniques: FACS (Aurora [Cytek], BD: Calibur, Verse, Canto™ II, Symphony, Aria™ III), Western blotting, qRT-PCR, cell culture, mouse and rat work, CHIP, EMSA, siRNA transfection, CRISPR/Cas9, ...

Computer skills: Microsoft Office, Adobe Photoshop, ImageJ, FlowJo, GraphPad Prism, Flowlogic, SpectroFlo® Software, FACS Suite, FACS Diva, BD CellQuest, R, ...

Languages: German (mother tongue), English (ILR level 4), Italian (ILR level 2-3), French (ILR level 1)

Conferences / Training

- 01.2015: Midwinter Conference 2015 - Advances in immunobiology in Seefeld
- 09.2015: ECI in Vienna
- 01.2016: BD FACSVerser™ training at BD in Heidelberg
- 04.2016: Life Science Innsbruck Symposium (poster and co-organizer)
- 04.2016: Animal experimentation courses (mouse and rat), ZVTA Innsbruck
- 05.2016: ENII EFIS summer school on advanced immunology in Sardinia
- 01.2017: Midwinter Conference - Advances in Immunobiology in Seefeld (poster)
- 04.2017: Life Science PhD meeting Innsbruck (main organizer)
- 09.2017: OEGMBT meeting Innsbruck
- 10.2017: EFIS-EJI Ruggero Ceppellini Advanced School of Immunology: "Tumour Immunology: from tissue microenvironment to immunotherapy" in Naples
- 04.2018: Life Science PhD meeting Innsbruck (main organizer)
- 01.2019: Midwinter Conference–Advances in Immunobiology in Seefeld (poster)
- 04.2019: BD FACSCanto™II training at BD in Heidelberg
- 04.2019: Life Science PhD meeting Innsbruck (main organizer)
- 10.2021: Cytek Aurora Training Course in Innsbruck
- 04.2022: Life Science PhD meeting Innsbruck
- 05.2022: AlpenFlow in Bad Ischl

Current publication list

- 1. Addressing the role of PKD3 in the T cell compartment with knockout mice**
Jiří Koutník , Verena Neururer, Thomas Gruber, Sebastian Peer, Natascha Hermann-Kleiter, William J Olson, Verena Labi, Michael Leitges, Gottfried Baier, Kerstin Siegmund
Cell Commun Signal. 2022 Apr 19;20(1):54. doi: 10.1186/s12964-022-00864-w.
- 2. Tumor rejection in Cblb -/- mice depends on IL-9 and Th9 cells**
Oliver Schanz, Isabelle Cornez, Sowmya Parampalli Yajnanarayana, Friederike Sophie David, Sebastian Peer, Thomas Gruber, Peter Krawitz, Peter Brossart, Annkristin Heine, Jenny Landsberg, Gottfried Baier and Dominik Wolf
J Immunother Cancer 2021 Jul;9(7):e002889. doi: 10.1136/jitc-2021-002889.
- 3. Regulation of Lymphatic GM-CSF Expression by the E3 Ubiquitin Ligase Cbl-b**
PeerS, CappellanoG, Hermann-KleiterN, Albrecht-SchgoerK, HinterleitnerR, BaierG, GruberT
Frontiers in Immunology. 2018 Oct 08; doi: 10.3389/fimmu.2018.02311
- 4. Cblb-deficient T cells are less susceptible to PD-L1-mediated inhibition**
PeerS, BaierG, GruberT
Oncotarget. 2017 Jun 27; 8(26):41841-41853. doi: 10.18632/oncotarget.18360.
- 5. Role of PKCtheta in macrophage-mediated immune response to Salmonella typhimurium infection in mice**
Pfeifhofer-ObermairC, Albrecht-SchgoerK, PeerS, NairzM, SiegmundK, KlepschV, HaschkaD, ThuilleN, Hermann-KleiterN, GruberT, WeissG, BaierG.
Cell Commun Signal. 2016 Jul 28; 14(1):14. doi: 10.1186/s12964-016-0137-y.

Pending publications 2022/23

- 1st authorship: “26 color monoclonal antibody panel for murine tumor infiltrating T cells” (manuscript in preparation)
- 1st authorship: “NLK governs CD8 T cell stemness” (manuscript in preparation)
- Co-authorship: “CD8-intrinsic PKCtheta as metabolic checkpoint in tumor immunity”
- Co-authorship: “Inducible immune checkpoint NR2F6 triggers T cell exhaustion at the tumor site”
- Co-authorship: “Lymphatic A2aR governs disease severity in experimental malaria”