



Dr. Anna Czarkwiani

CV und Forschungsabriss

Dr. Anna Czarkwiani



Persönliche Angaben

Geburtsort: Warschau, Polen

Familienstand: verheiratet, ein Sohn (2019) und eine Tochter (2021)

Studium

2012-2017 PhD in Developmental and Stem Cell Biology at University College London.

2011-2012 MRes in Biosciences, Stem Cells and Development, at UCL, Merit.

2008-2011 BSc in Human Genetics at UCL, 2.1.

Beruflicher Werdegang

15.02.2018–present Postdoctoral researcher in Max Yun's lab at Centre for Regenerative Therapies Dresden, Technische Universität (TU) Dresden

Lehr- und Betreuertätigkeiten

15.02.2018–present Masters students and PhD candidates supervision at Centre for Regenerative Therapies Dresden, Technische Universität (TU) Dresden

2013-2017 Teaching Assistant at University College London
Bachelors and Masters student supervision

Stipendien und Auszeichnungen

2022 Unesco-L'Oréal "For Women in Science" stipend, 2022

2021 More Time for Science program grant, TU-Dresden (Germany)

2021 Christiane Nüsslein-Volhard-Foundation grant (Germany),

2018-2020	Humboldt Research Fellowship for Postdoctoral Researchers including maintenance costs and contribution to research costs, Alexander von Humboldt Foundation (Germany)
2017	Financial aid from British Society of Developmental Biology to attend MBL summer course: Concepts and techniques in modern developmental biology in Woods Hole (USA)
2017	Financial aid from Florence C. Rose and S. Meryl Rose Endowed Scholarship Fund to attend MBL summer course in Woods Hole (USA)
2016	Post-graduate symposium best final year talk award, GEE department, UCL
July 2016	KVA grant for short term research at the Sven Loven Centre for Marine Sciences in Kristineberg (Sweden), Royal Swedish Academy of Sciences (Co-written with supervisor)
July 2015	KVA grant for short term research at the Sven Loven Centre for Marine Sciences in Kristineberg (Sweden), Royal Swedish Academy of Sciences (Co-written with supervisor)
October 2015	Travel grant to attend the XXIII Developmental Biology of the Sea Urchin conference at MBL in Woods Hole (USA), UCL Graduate School
April 2014	Travel grant to attend the XXII Developmental Biology of the Sea Urchin conference at MBL in Woods Hole (USA), UCL Graduate School
December 2013	Fully covered (travel and lodging) financial aid for attendance of the OIST Winter course in Evolution of Complex Systems, OIST, Okinawa (Japan)
2012-2016	Wellcome Trust 4-year PhD Studentship covering maintenance costs, tuition fees, conference fund and materials costs, The Wellcome Trust (UK)

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***De novo* thymus regeneration in a vertebrate, the axolotl**

The thymus is a central organ of the immune system, the primary site of T-cell development and specialization. In humans, it undergoes age-associated degeneration, leading to a decline in immune function and age-associated pathologies. Consequently, there is a significant need for research approaches geared towards promoting thymus regeneration. We have recently found that, as an exception in the animal kingdom, the axolotl is capable of *de novo* thymus regeneration. To date we have characterised the regenerative process and found that the thymus molecular and cellular composition and functionality appear to be re-established after regeneration. Together with our collaborators from the lab of René Maehr at the University of Massachusetts Medical School, we use a combination of single-cell RNA sequencing, advanced imaging, genetic and transplantation approaches to describe the mechanism of *de novo* thymus regeneration, define its molecular underpinnings and functional recovery, and address the cellular origin of the new organ.