



PHILIPP DEXHEIMER, PhD

Molecular Graffiti | Scientific Illustrations | Videos & Animation

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SCIENCE & ART

As an artist at heart and a scientist in the mind, my creations are inspired by the concepts and molecular aesthetics of Nature. Being passionate about visualizing complex ideas, I combine my research background and love for art to effectively communicate science to a broad audience. I am always on the lookout for new collaborative opportunities and ventures transforming scientific insight into art that informs and inspires

AWARDS & FELLOWSHIPS

2023 **VBC Art Award for best artwork in the Science Art exhibition**
Vienna Biocenter PhD Programm

2021 **VBC PhD Award for an outstanding PhD-Thesis**
Vienna Biocenter PhD Programm

2021 **Second best artwork in the ScienceArt Postershow**
*Vizualizing Biology Symposium
EMBL Heidelberg*

2019 **Best of Show Award in the ScienceArt show**
*International C. elegans meeting
UCLA, California*

2018 **Poster Prize for presentation of PhD research project**
Vienna Biocenter Symposium

2018 **ScienceArt Award in the category Illustrations**
YSA PhD Symposium in Vienna

2016 **Erasmus-Plus fellowship for a research project abroad**
University of Regensburg, Germany

2014 **Award for best project presentation**
Vienna Biocenter Summer School

2014 **Summer School Fellowship**
Vienna Biocenter

2012 **Erasmus fellowship for an academic year abroad**
University of Leicester, UK

EDUCATION

2017 - 2021 **Ph.D. in Molecular Biology (1.0)**, *University of Vienna*
2014 - 2017 **M.Sc. Biochemistry (1.2)**, *University of Regensburg*
2010 - 2014 **B.Sc. Biology (1.6)**, *University of Regensburg*
2012 - 2013 **Academic Year Abroad**, *University of Leicester, UK*
2010 **Abitur (2.0)**, *Privatgymnasium Pindl e.V, Regensburg*

PROFESSIONAL EMPLOYMENT

2017 - present **Science Artist & Visualization Expert** | *Self-employed*
Design of artwork & media for targeted communication of scientific content
- Developing tailored solutions for content communication
- Cover design, figure illustrations & videography
- Training Scientists in visual literacy

2021 - 2024 **Postdoctoral Researcher** | *IMP Vienna - Clausen Laboratory*
Establishing a model system to study pathologic variants of cardiac myosin
- Identification of a class of myosin mutations resulting in misfolding
- Design of therapeutic strategies counteracting myosin aggregation
- Genetic & chemical screening for treatments alleviating pathology

2017 - 2021 **PhD Student** | *IMP Vienna - Cochella Laboratory*
Investigating mechanisms for regulation of gene expression in animals
- Engineering a degron-based system to deplete microRNAs in vivo
- Identification of microRNAs critical for early animal development
- Elucidating physiological consequences of microRNA depletion

INVITED PRESENTATIONS & WORKSHOPS

2024 Panelist in the discussion "What can I be with a PhD?" - *Universität Graz*
2024 Talk about the rythms of creativity in Science - *Champalimaud, Lissabon*
2024 Workshop about using generative AI in Science - *Vienna BioCenter*
2024 Workshop about the versatility of Photoshop - *Vienna BioCenter*
2023 Talk at the Ubiquitins, Autophagy & Disease symposium - *CSHL, USA*
2022 Talk at the science outreach event "Pint of Science" - *Vienna*
2020 Talk at the EMBL Symposium "The Complex Life of RNA" - *Heidelberg*
2019 Talk at the Vienna DevStem meeting - *Vienna BioCenter*
2017 Plenary talk at the International C. elegans meeting - *UCLA, California*

PUBLICATIONS

2024 A novel class of hypertrophic Cardiomyopathy associated myosin mutations cause folding defects and protein aggregation. Arnese R*; **Dexheimer PJ*** et al.
Manuscript in preparation (Authors contributed equally)*

2020 MicroRNAs - From mechanism to organism. **Dexheimer PJ**, Cochella L.
Frontiers in Cell and Developmental Biology, cited by: 256

2020 Two microRNAs are sufficient for embryonic patterning in *C. elegans*
Dexheimer PJ, Wang JK, Cochella L; *Current Biology*, cited by: 20