Curriculum Vitae

PERSONAL INFORMATION

Name	Dieter Braun
Address	Hirschbachweg 13a 83661 Lenggries
Date of birth	19.08.1970
Place of birth	Schwenningen a. Neckar
Citizenship	German
Status	married to Veronica Egger, Neuroscience Professor Uni Regensburg
Children	Agnes (*2005), Uli (*2007)

EDUCATION, POSITIONS AND AWARDS

2025 **Leading the 'Origin of Life'** section in the **Origins II Excellence** grant (2026-2032)

2025 **ERC Synergy Grant 'BubbleLife'** with Hannes Mutschler (2025-2031)

2024 Spokesperson of **CRC 392** Molecular evolution in prebiotic environments

2023 Fellow of the Max Planck School Matter to Life

2019 **Technology Transfer** Price of the German Physical Society
NanoTemper has >200 employees

2018 Spokesperson of **CRC 235** Emergence of Life, **ERC Advanced Grant**,
Volkswagen Life collaboration with Matt Powner, Don Dingwell and Christof Mast.

2016 Organizer of SFB/TRR Collaboration Proposal Emergence of Life (LMU and TU)
Coordinator of Origins of Life part of the **Origins Excellence** grant (2019-2025)

2015 **Initiator** of Origins of Life Initiative Munich (OLIM)

2014 **Deutscher Gründerpreis** for NanoTemper
PI within the **Simons collaboration on the Origins of Life**

2012 Prodekan of the Physics Faculty, Step Award for NanoTemper, Deutscher Innovationspreis

2011 **Klung-Wilhelmy Weberbank Price**, biannual for physicists <40 years

2010 **ERC Starting Grant**

2008 Startup Company **NanoTemper**

2007 **Full professor for Systems Biophysics at the LMU Munich**
(Offers for professorships in Leipzig, Bayreuth and Munich Habilitation)

2005 Parental Leave: half time position for 1.5 years
Dual career couple: my wife Veronica Egger is neuroscience professor in Regensburg

2003-2007 **Emmy Noether** research group LMU Munich

2000-2003 Postdoc with Albert Libchaber at **Rockefeller University** (USA) Replication by laminar convection, Thermophoresis of DNA, Biomolecule detection by Microcavity, All-optical Lock-in amplifier with fluorescent dyes to measure kinetics.

2001 **Schloessmann Award** in Optical Methods in Modern Biology
for progress in quantitative fluorescence measurements in living cells.

2000 PhD, summa cum laude

1997-2000 PhD, **Max Planck Institute of Biochemistry**, Martinsried
Imaging in 3D with fluorescence the voltage stimulation of neurons by silicon chips.

1997 Diploma Thesis with Peter Fromherz at MPI of Biochemistry, Martinsried
Fluorescence interference Microscopy (FLIC) to measure cell-substrate distance <1nm.

1991-1997 Study of Physics, University of Ulm and Technical University Munich

Awards

2019	**Technology Transfer** Price of the German Physical Society
2014	**Deutscher Gründerpreis** for NanoTemper
2013	Best New Technology Award for NanoTemper
2012	Step Award for NanoTemper
2012	**Deutscher Innovationspreis** for NanoTemper
2011	**Klung-Wilhelmy Weberbank Price**, biannual for physicists <40 years
2003	**Emmy Noether research group** LMU Munich
2001	**Schloessmann Award** in Optical Methods in Modern Biology

Startup company

2008 -	**NanoTemper Technologies**, funded by PhD students Philipp Baaske and Stefan Duhr, brought to the market Microscale Thermophoresis for all-optical binding quantification. Won many awards and has grown steadily, now >200 employees. www.nanotemper-technologies.com

Patents

2011	Method and Apparatus for Amplifying Nucleic Acid Sequences, US10001234.3
2009	Thermo-Optical Characterisation of Nucleic Acid Molecules, PCT/EP2009/000847
2009	Method and device for particle analysis using thermophoresis, PCT/EP2009/056162
2007	Fast Thermo-Optical Particle Characterisation, PCT/EP2007/010037

Major collaborations

2024 -	Spokesperson **TRR Molecular evolution in prebiotic environments**
2018 - 2022	Spokesperson **TRR Emergence of Life**
2015 -	Organizer of the **Origins of Life Initiative Munich** (OLIM)
2014 -	Investigator of the **International Simons Collaboration on the Origins of Life** www.simonsfoundation.org/life-sciences/simons-collaboration-on-the-origins-of-life/
2013 -	**Quantitative Biology Munich (QBM)**. Graduate school merging biophysics, biology, bioinformatics and theory for quantitative biology

Collaboration partners: Matt Powner (UCL London), John Sutherland (MRC-LMB, Cambridge), Judit E. Sponer (Biophysics Institute Brno), Thomas Franosch (University Innsbruck), Ram Krishnamurthy (Scripps), Gerald Joyce (Salk), Andres Jäschke (Heidelberg), Uli Gerland (TU Munich), Erwin Frey (LMU), Irene Chen (UCLA), Don Dingwell (LMU), Dora Tang (MPI Dresden), Hannes Mutschler (TU Dortmund), Christof Weber (Augsburg), Dimitar Sasselov (Harvard).

Teaching

2007 -	Teaching fundamental courses in physics at LMU, including Thermodynamics, Optics and Electrodynamics to all second year physics students.
2010 -	Defining a new course on Systems Biophysics, bridging disciplines from Biochemistry, Game Theory, Biophysics and Evolutionary Ecology.
2015 -	Organizing and defining a Course on Origins of Life in the Universe in collaboration with colleagues from Chemistry, Geoscience and Astrophysics.
2013 - 2018	Biophysics courses in the Quantitative Biology Munich graduate school

Support of young careers

12	Postdocs In the meanwhile three professors (S. Toyabe, M. Kreysing, I. Schön)
33	PhD students
35	Master Students

Organization of scientific meetings

2016 -	Organizer of Molecular Origins Conference Munich 2016, 2018, 2020, 2021, 2022, 2023, 2024, 2025
2015	CeNS Nanoscience Conference in Venice
2013	CeNS Nanoscience Conference in Venice
2012	NIM Graduate School
2011	Scientific Board NIM Winter School
2009	Co-organizer of the CeNS Winter School
2009	Organizer of CeNS Focus Workshop on Synthetic Evolution

Career breaks

2005-2007	**Parental Leave** in a half time position for 1.5 years My wife Veronica Egger is neuroscience professor in Regensburg

Institutional responsibilities

2020 - 2023	Spokesperson of the Center for NanoScience
2016-	Coordinator of Astrobiology part of the Origins Cluster Initiative
2012-2015	Prodekan of the Physics Faculty
2013-	Scientific Board Center for Nanoscience