

NIKOLAUS GRIGORIEFF

Professor, University of Massachusetts Medical School
Investigator, Howard Hughes Medical Institute
368 Plantation Street, AS4-2049, Worcester, MA 01605, USA
Tel. +1-774-455-6682, Fax +1-508-721-7027
Email: niko@grigorieff.org

ACADEMIC EDUCATION

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|-------------|---|
| 1985 - 1989 | Technische Universität Berlin, Germany
• Vordiplom in physics (first grade) |
| 1989 - 1993 | University of Bristol, UK
• M.Sc. & Ph.D. in physics (semiconducting materials and devices, electron microscopy) |

EXPERIENCE

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|----------------|---|
| 1988 - 1989 | Technische Universität Berlin, Germany
• Tutor with teaching responsibilities
• Student representative on faculty board, joint responsibility for faculty policies and degree course design |
| 1991 - 1993 | University of Bristol, UK
• Demonstrator in undergraduate project laboratory, responsible for student supervision and grading |
| 1993 - 1998 | MRC Laboratory of Molecular Biology, Cambridge, UK
• Postdoctoral research assistant
• Supervisor for research student, responsible for project design and supervision |
| 1996 - 1998 | Darwin College, Cambridge, UK
• Organizer of scientific seminars |
| 1999 - 2013 | Brandeis University, Waltham, MA
• Assistant Professor (1999), Associate Professor (2004), Full Professor (2006) |
| 2013 - 2018 | Janelia Research Campus, Ashburn, VA
• Group leader |
| 2018 - present | University of Massachusetts Medical School, Worcester, MA
• Professor |

AWARDS, FELLOWSHIPS AND APPOINTMENTS

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| 1988-90 | Award from the Studienstiftung des Deutschen Volkes (national student award based on university nomination and interview) |
| 1989 | Award from DAAD (German Academic Exchange Service) |
| 1990-93 | Student grant from British Telecommunications plc. |
| 1995-96 | Research fellowship from Deutsche Forschungsgemeinschaft |
| 1996-98 | Research fellowship at Darwin College, Cambridge, England |
| 2000-present | Investigatorship, Howard Hughes Medical Institute |
| 2004-05 | Research fellowship from the Humboldt Foundation |
| 2015-present | Editor, eLife Sciences |
| 2021 | Election to the National Academy of Sciences, USA |

RESEARCH ARTICLES

- Grigorieff, N., Cherns, D., Yates, M. J., Hockly, M., Perrin, S. D. & Aylett, M. R. (1993). Electron microscopy of ultra-thin buried layers in InP and InGaAs. *Phil. Mag.* **68**, 121–136.
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- Smith, C. J., Grigorieff, N. & Pearse, B. M. F. (1998). Clathrin coats at 21 Å resolution - A cellular assembly designed to recycle multiple membrane receptors. *EMBO J.* **17**, 4943–4953.
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- Grigorieff, N. & Grigorieff, R. D. (1999). Asymptotisches Verhalten des Erwartungswertes für den größten Wert bei n unabhängigen Beobachtungen einer normalverteilten Variablen. *Reprint-Reihe Fachbereich Mathematik, Technische Universität Berlin* Nr. 647.
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- Sokolova, O., Kolmakova-Partensky, L. & Grigorieff, N. (2001). Three-dimensional structure of a voltage-gated potassium channel at 2.5 nm resolution. *Structure* **9**, 215–220.
- Pirruccello, M.M., N. Grigorieff, and J.A. Mindell, (2002) Electron diffraction of a bacterial ClC-type chloride channel. *Novartis Found Symp.* **245**, 193–203.
- McGovern, S. L., Caselli, E., Grigorieff, N. & Shoichet, B. K. (2002) A common mechanism underlying promiscuous inhibitors from virtual and high-throughput screening. *J. Med. Chem.* **45**, 1712–1722.
- Jurica, M. S., Licklider, L. J., Gygi, S. P., Grigorieff, N. & Moore, M. J. (2002) Purification and characterization of native spliceosomes suitable for three-dimensional structural studies. *RNA* **8**, 426–439.

- Mindell, J. A. & Grigorieff, N. (2003) Accurate determination of local defocus and specimen tilt in electron microscopy. *J. Struct. Biol.* **142**, 334–347.
- Furst, J., Sutton, R. B., Chen, J., Brunger, A. T. & Grigorieff, N. (2003) Electron Cryo-Microscopy Structure of N-ethyl Maleimide Sensitive Factor at 11 Å Resolution. *EMBO J.* **22**, 4365–4374.
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