

## Curriculum vitae

### Name

- Dr. Paul Martin Winkler

### Education

- 6/1994 General qualification for university entrance at the Austrian St. George College Istanbul, Turkey
- 1995 – 2001 Study of meteorology at the University of Vienna, title of the master thesis: *The influence of ammonia on the heterogeneous nucleation of nanoparticles.*
- 8/2001 Graduation to Master of Sciences at the Faculty for Sciences and Mathematics of the University of Vienna.
- 2001 – 2004 Dissertation at the Institute for Experimental Physics, title of PhD thesis: *Experimental study of condensation processes in systems of water and organic vapors employing an expansion chamber.* Adviser: Prof. P. E. Wagner
- 6/2004 Graduation to PhD at the Faculty for Sciences and Mathematics of the University of Vienna. Opponent: Prof. M. Kulmala (University of Helsinki)

### Professional appointments and scientific career

- 10/2001 – 7/2004 PhD student-researcher, employed by University of Helsinki.
- 8/2004 – 7/2007 Postdoc co-worker at project P16958-N02 sponsored by the Austrian Science Fund (FWF).
- 8/2007 – 8/2009 Postdoc co-worker at project P19546-N20 sponsored by the Austrian Science Fund (FWF).
- 9/2009 – 8/2012 Postdoctoral fellow at the National Center for Atmospheric Research (NCAR), Boulder, CO, USA.
- 9/2012 – 3/2013 Postdoctoral fellow at the University of Vienna.
- 3/2013 – 6/2014: Postdoc, employed by University of Vienna.
- 7/2014 – current: tenure track position at University of Vienna.
- 12/2014 Promotion to Assistant Professor
- 6/2015 Habilitation in Experimental Physics at University of Vienna.
- 10/2015 – current: Spokesperson of the Aerosol Physics and Environmental Physics Group

### Current main areas of interest

- Heterogeneous nucleation processes
- Condensation processes
- Chemical characterization of nanoparticles
- Instrumentation development

### International cooperations

- University of Helsinki: Cooperation with Prof. Markku Kulmala
- CERN/Geneva: Cosmics Leaving Outdoor Droplets CLOUD/CLOUD-ITN collaboration
- National Center for Atmospheric Research: Prof. James N. Smith
- University of Minnesota: Cooperation with Prof. Peter H. McMurry.
- Stockholm University: Cooperation with Prof. Ilona Riipinen

### Top 5 Reviewing activities

- National Science Foundation
- Journal of Colloid and Interface Science
- Journal of Chemical Physics
- Geophysical Research Letters
- Proceedings of the National Academy of Sciences

### **Self-acquired Funding**

- Postdoctoral Fellowship of the Advanced Study Program at the National Center for Atmospheric Research: Sum \$ 135.000,00, duration 24 months (September 2009 – August 2011)
- Erwin-Schrödinger-Fellowship of the Austrian Science Fund (FWF): Sum €79.760,00, duration 18 months (September 2011 – March 2013)
- European Research Council (ERC) Consolidator Grant: Sum €1.810.696,00, duration 5 years (March 2014 – March 2019)

### **Memberships in professional societies and committees**

- Gesellschaft für Aerosolforschung (GAeF)
- American Association for Aerosol Research (AAAR)
- Board member of the Chemisch-Physikalische Gesellschaft (CPG)
- Österreichische Meteorologische Gesellschaft (ÖMG)
- Member of the Committee on Nucleation and Atmospheric Aerosols (CNAA)
- Advisory Board Member of the Environmental Sciences Research Network of the University of Vienna

### **Awards**

- Diploma thesis award sponsored by the NAWI-CLUB (Natural Sciences Club) of the University of Vienna (2002).
- Recognition award for Science sponsored by the State Government of Lower Austria (2010).
- Consolidator Grant awarded by the European Research Council (ERC) (2013).

### **Media appearance**

- Der Standard, 6.4.2011, “Woher die Wolken kommen”  
<http://derstandard.at/1301873936521/Geistesblitz-Woher-die-Wolken-kommen>
- Press release by the University of Vienna, 12.12.2013,  
<http://medienportal.univie.ac.at/presse/aktuelle-pressemeldungen/detailansicht/artikel/erc-consolidator-grant-fuer-aerosolphysiker-paul-winkler/>  
<http://www.uni-online.de/presse.php?id=566239>  
<http://derstandard.at/1385170806860/Hoch-dotierter-EU-Foerderpreis-fuer-Wiener-Aerosolphysiker>
- Format/Trend Extra, March 2014, “Exzellente Forschung made in Austria“  
[http://nanodynamite.at/docs/junge\\_forscher\\_prazak\\_format\\_trend\\_innovation\\_maerz\\_2014.pdf](http://nanodynamite.at/docs/junge_forscher_prazak_format_trend_innovation_maerz_2014.pdf)
- ORF 2, 30.05.2016, „Wie Wolken entstehen“, in „Heute mittag“

### **Other publications**

- P. M. Winkler, “Planning career steps with a family”, NCAR Fellows News (February 2011)  
[http://www.asp.ucar.edu/asp\\_update/11/February-Newsletter.pdf](http://www.asp.ucar.edu/asp_update/11/February-Newsletter.pdf)

### **Homepage**

- Nanodynamite.at

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