

## Fabian B. Wadsworth

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| CONTACT INFORMATION  | Ludwig-Maximilians-Universität<br>Theresienstr. 41, 80333 Munich, Germany  | (+49) 89 2180 4264<br><a href="mailto:fabian.wadsworth@min.uni-muenchen.de">fabian.wadsworth@min.uni-muenchen.de</a> |
| ACADEMIC POSTS       | Ludwig-Maximilians-Universität, Munich, Germany<br>Akademischer Rat auf Zeit (Assistant Professor)   | 06/2016-ongoing  |
| EDUCATION            | Ludwig-Maximilians-Universität, Munich, Germany<br>Ph.D. (Dr rer. nat.), <i>Summe Cum Laude</i><br>Thesis topic: “ <a href="#">Densification of permeable liquids and magma</a> ”<br>Supervisors: Donald B. Dingwell & Bettina Scheu | 05/2012-06/2016  |
|                      | University of Liverpool, Liverpool, U.K.<br>Postgraduate Research Assistant  | 08/2013-04/2014  |
|                      | University of Leicester, Leicester, U.K.<br>MGeol., Geology, 1st class honours<br>Thesis topic: “ <a href="#">Draining a basaltic-andesite dyke</a> ”<br>Supervisors: Mike Branney & Ben Kennedy                                     | 09/2007-07/2011  |
|                      | University of Canterbury, Christchurch, New Zealand<br>Certificate of Science, Geology and Volcanology, A+   | 06/2009-06/2010  |
| GRANTS AWARDED       | LMU Research Group leader grant (PI)<br>In the magma classroom: Toward a pedagogy of volcanic eruptions  | 1,500 EUR  |
|                      | Diamond Light Source: i12 beamline (co-I).<br>Bubble growth and resorption in magma  | 80,000 GBP   |
|                      | LMU Research Group leader grant (PI)<br>Testing the Wedgwood Pyrometer of 1782   | 1,500 EUR  |
|                      | Swiss Light Source: TOMCAT beamline (co-I)<br>Hysteresis in magma vesiculation and densification   | 60,000 EUR   |
|                      | Swiss Light Source: TOMCAT beamline (PI)<br>In situ viscous sintering of volcanic ash  | 60,000 EUR   |
|                      | DAAD intern program host (PI)<br>Permeability of magmas  | 5,200 EUR  |
| TRAVEL GRANTS        | IAVCEI Travel Grant  | 800 EUR  |
|                      | AGU Travel Grant   | 1,200 USD  |
| PRIZES AND AWARDS    | Gesellschaft von Freunden und Förderern der Universität München e.V.<br>University cross-faculty "Promotionspreis" for best PhD thesis   | 2017   |
| SUPERVISING STUDENTS | <i>Ana Silvia-Casas</i> , PhD student, LMU, Munich<br>Thesis topic: “ <a href="#">Uptake and release of volatile elements by magma</a> ”   | 2016-ongoing   |
|                      | <i>Janina Adolf</i> , MSc student, LMU, Munich<br>Thesis topic: “ <a href="#">Volcanic ash deposition on hot turbine blade barrier coatings</a> ”  | 2016-ongoing   |
|                      | <i>Taylor Witcher</i> , MSc student, LMU, Munich<br>Thesis topic: “ <a href="#">How slow can you flow? The brittle onset in flowing volcanic liquids</a> ”   | 2016-ongoing   |
|                      | <i>Jenny Schaurath</i> , MSc student, LMU, Munich<br>Thesis topic: “ <a href="#">The lifetime of particles in volcanic degassing pathways</a> ”  | 2013-2015  |
|                      | <i>Markus Schmidt</i> , BSc student, LMU, Munich<br>Thesis topic: “ <a href="#">Textures and mechanics of draining magma from dykes in La Palma</a> ”  | 2014   |

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|  | <i>Thomas Jones</i> , BSc DAAD RISE intern, LMU, Munich  | 2013         |
|  | Thesis topic: “ <a href="#">The Valves of a Volcano</a> ”  |              |
|  | <i>Jenny Schaubroth</i> , BSc student, LMU, Munich   | 2012-2013    |
|  | Thesis topic: “ <a href="#">Conduit wall textures from the AD 1886 Tarawera Volcano eruption</a> ”       |              |
| TEACHING                                     | <i>Lecturer</i> Building the Earth with thermodynamics (2nd year BSc course; German)                     | 2016-ongoing |
|  | <i>Lecturer</i> Physics of volcanoes (2nd year MSc course; English)                                      | 2016-ongoing |
|  | <i>Lecturer</i> Mineralogy (2nd year BSc course; German and English)                                     | 2015-ongoing |
|  | <i>Lecturer</i> Petrophysics (1st year MSc course; English)  | 2016-ongoing |
|  | <i>Teaching assistant</i> Petrophysics (1st year MSc course; English)                                    | 2013-2015    |
| PUBLICATIONS NOT<br>PEER REVIEWED            | [4] <b>Wadsworth, F.B.</b> and Hearne, R.L. 2016. Great walls of fire. <i>GeoLog</i> (Blog of the EGU)   |              |
|  | [3] <b>Wadsworth, F.B.</b> 2016. Heart of glass. Feature article in <i>Geoscientist</i>                  |              |
|  | [2] <b>Wadsworth, F.B.</b> 2012. Winter Foraging. <i>Aesthetica</i>                                      |              |
|  | [1] <b>Wadsworth, F.B.</b> 2011. Rock and Ice: Volcanoes and climate change. <i>Geoscientist Online</i>  |              |
| INVITED<br>PRESENTATIONS                     | Volcanoes on Earth Day <i>StyLight HQ, Munich, Germany</i>   | 2015         |
|  | Draining a basaltic dyke of magma <i>Fall Meeting of the American Geophysical Union</i>                  | 2014         |
|  | Poetry and Mental Illness <i>University of Liverpool, U.K.</i>   | 2014         |
|  | How to boil an egg: The heat transfer problem <i>University of Leeds, U.K.</i>                           | 2013         |
|  | Unwinding the volcanic clock <i>Institute de Physique du Globe de Strasbourg, France</i>                 | 2013         |
| ELECTED<br>MEMBERSHIPS                       | Editorial board member of <i>Frontiers in Earth Science</i>  | since 2016   |
|  | Fellow of the Bavarian Academy of Science  | since 2016   |
|  | Fellow of the Geological Society of London   | since 2012   |
| OUTREACH                                     | Founder and coordinator of the LMU volcanology social media presence                                     | 2014-ongoing |
|  | Co-founder and editor of <i>Volcanica</i>  | 2016-ongoing |
|  | Co-organiser of a Marie-Curie network school and community open day (Munich)                             | 2013         |
|  | STEM Ambassador: science teaching UK Key Stage 3 & 4 (age 11-18)   | 2011-2012    |
|  | Leicester Award for Community Engagement   | 2011         |
|  | Poetry and creative writing tutor UK Key Stage 2 (age 8-11)  | 2010-2011    |
|  | Staff-student committee member for Geology, (University of Leicester)                                    | 2007-2011    |
| MEDIA COVERAGE<br>ASSOCIATED WITH<br>PI WORK | [3] Glass spheres forged by volcanic lightning offers clues about eruptions. <i>PBS Newshour</i> 2017    |              |
|  | [2] Glass formed by volcanic lightning could be used to understand eruptions. <i>AGU Geospace</i> 2017   |              |
|  | [1] Want to build a strong fortress? Set it on fire. <i>National Geographic</i> 2015                     |              |
| LANGUAGE SKILLS                              | English (poetic), German (a smattering), L <sup>A</sup> T <sub>E</sub> X, Python (basic), MatLab (basic) |              |
| CITATION METRICS                             | GoogleScholar h-index 11, i10-index 13,<br>Researchgate 32.97.   |              |