

# Curriculum Vitae

## Dr. Terrance John Hadlington



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### *Current Position*

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**11.2019 – Present** **Liebig Junior Research Group Leader | TU Munich |**  
*“Single-center ambiphile ligands for the hydroamination of unsaturated organic substrates with ammonia”*

### *Previous Position*

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**05.2016 – 04.2019** **Postdoctoral Research Fellow | TU Berlin |** Group of Prof. Matthias Driess  
*Investigating challenging bond activations at the tetrylene-transition metal interface*

### *Education*

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**02.2012 – 02.2016** **PhD Candidate | Monash University, Melbourne, Australia |** Group of Prof. Cameron Jones  
*“Investigations Toward the Catalytic Application of Low-Oxidation State, Low-Coordinate Heavier Group 14 Complexes”*; Graduation date: **18<sup>th</sup> May 2016**

**06.2014 – 09.2014** **Visiting PhD student | Oxford University, Oxford, England |** Group of Prof. Simon Aldridge

**08.2008 – 05.2011** **MChem(Hons) in Chemistry for Drug Discovery | University of Bath, Somerset, England**  
Degree Class: **1<sup>st</sup> class with Honours**

**09.2010 – 05.2011** **Masters Dissertation | University of Bath, Somerset, England |** Group of Prof. Michael Hill

### *Teaching Experience*

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**05.2016 – 10.2019** Training and mentoring of one PhD student and one Bachelor student, TU Berlin, Germany

**02.2010 – 02.2016** Training of two PhD students, and training and mentoring of two Bachelor students, Monash University, Melbourne, Australia

**03.2013 – 08.2015** Teaching/demonstrating, undergraduate laboratory courses and tutorial sessions (~ 150 hr in total), Monash University, Melbourne, Australia

### *Employment*

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**08.2009 – 09.2010** **Research Scientist | DSM, Geleen, The Netherlands**  
*12 month Erasmus Internship; Supported single-site catalysts for Polyethylene synthesis*

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## Key Skills

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- Air/moisture sensitive synthetic techniques (Schlenk techniques, glove box, etc.)
- Advanced Inorganic and Organic synthesis
- Single-crystal X-ray analyses including data-solving/refinement for publication (X-Seed/Crystals software)
- High-pressure reaction systems (autoclaves, high-pressure NMR spectroscopy)
- NMR spectroscopic methods, including elucidation of kinetic parameters and variable temperature measurements
- Homogenous and heterogeneous catalysis
- Computational methods using Density Functional Theory (Gaussian 09, Avogadro)
- Cyclic Voltammetry
- UV/vis and IR spectroscopy

## Awards and Scholarships

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- 2019 - **Liebig Stipendium** to establish an independent Junior Research Group
- 2016 - **Monash University Vice Chancellors Commendation for Thesis Excellence**  
- **Springer Theses Award** for scientific excellence and impact of work completed during the PhD research period
- 2015 - **OZOM Oral Presentation Award**  
- **Monash University Postgraduate Publication Award**, August 2015-November 2015.
- 2014 - **Faculty of Science Commendation for Outstanding Author Contribution by a Graduate Research Student to a Published 'Quality' Scholarly Research Output Commendation**; article reference: *J. Am. Chem. Soc.*, **2014**, *136*, 3028–3031.  
- **RACI Inorganic Symposium 2014 Poster Prize.**
- 2012 - **Monash University Deans International Postgraduate Research Scholarship** for 2012-2015.

## Conference Participation

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- 08.2018 Oral presentation: “*Facile Access to Ni<sup>0</sup> π-Complexes of Silicon-Heteroatom Multiple Bonds*”, 9<sup>th</sup> European Silicon Days, Saarbrücken, Germany.
- 07.2018 Oral presentation: “*Facile Access to Ni<sup>0</sup> π-Complexes of Silicon-Heteroatom Multiple Bonds*”, 28<sup>th</sup> ICOMC, Florence, Italy.
- 08.2017 Oral presentation: “*Striking features of an acyclic silylene-nickel(0) complex in the activation of small molecules*”, 19<sup>th</sup> ISOS, Ji’nan, Shandong Province, China.
- 07.2017 Oral presentation: “*Striking features of an acyclic silylene-nickel(0) complex in the activation of small molecules*”, PBSi I, Paris, France.
- 11.2015 Oral presentation: “*Modern Group 14 Element Chemistry: From Curiosity to Catalysis*”, OZOM 9, University of Sydney, Sydney, Australia
- 12.2014 Poster presentation, RACI Inorganic Chemistry Symposium, La Trobe Melbourne, Australia
- 12.2013 Oral presentation: “*Catalytic application of group 14(II) hydrides*”, RACI Inorganic Chemistry Divisional Conference, University of Queensland, Brisbane, Australia.
- 11.2013 Oral presentation: “*Catalytic application of group 14(III) hydrides*”, RACI Postgraduate Symposium on Inorganic Chemistry, Royal Melbourne Institute of Technology, Australia.
- 01.2013 Poster presentation, OZOM 7, Victoria University of Wellington, New Zealand.
- 12.2012 Poster presentation, RACI Inorganic Chemistry Symposium, University of Melbourne, Australia.