

## Daniel Luis do Nascimento, Ph. D. – *Curriculum Vitae*

University of North Carolina at Greensboro  
Department of Chemistry and Biochemistry  
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### WORK, EDUCATION AND TRAINING

- Asst. Prof. University of North Carolina at Greensboro (Greensboro – NC, USA); 2025–present
- Postdoc Harvard University (Cambridge – MA, USA); 2021–25  
Advisor: Prof. Daniel Nocera
- Ph.D. University of Ottawa (Ottawa – ON, Canada); 2016–21  
Advisor: Prof. Deryn Fogg  
Recipient of **Pierre Laberge Award** for the best thesis in sciences
- Exchange University of Pennsylvania, (Philadelphia – PA, USA); 2013–14  
Independent Research Study. Advisor: Prof. Daniel Mindiola
- B.Sc. Universidade de São Paulo (São Carlos – SP, Brazil); 2010–16  
Advisor: Prof. Ana Maria Plepis  
Recipient of **USA–Brazil International Education Award**

### PUBLICATIONS (C = communication; F = full paper. Names in order of contribution, PI last)

- 12C. **D. L. Nascimento**; D. Gygi; M. C. Drummer; M. I. Gonzalez; S. L. Zheng; D. G. Nocera.\* Photoredox Oxidation of Alkanes by Monometallic Copper-Oxygen Complexes Under Visible Light Including One Sun illumination. *J. Am. Chem. Soc.* **2024**, 146, 28612–28617.
- 11F. **D. L. Nascimento**; † R. Sun; † S. Rucolo; † Y. Qin; N. Hibbert; D. G. Nocera.\* Selective N-H Bond Activation by Unidirectional PCET Using Camphorquinone as a Sustainable Photoredox Catalyst. († Co-first author). *Chem. Sci.* **2023**, 14, 13776–13782.
- 10C. G. Occhipinti, **D. L. Nascimento**, M. Foscato, D. E. Fogg, V. R. Jensen.\* The Janus face of high trans-effect carbenes in olefin metathesis: Gateway to productivity and decomposition. *Chem. Sci.* **2022**, 13, 5107–5117. **Editor's choice; front cover art.**
- 9C. **D. L. Nascimento**, M. Foscato, G. Occhipinti, V. R. Jensen, D. E. Fogg.\* Bimolecular Coupling in Olefin Metathesis: Correlating Structure and Decomposition for Leading and Emerging Ruthenium–Carbene Catalysts. *J. Am. Chem. Soc.* **2021**, 143, 11072–11079.
- 8C. C.O. Blanco, **D.L. Nascimento**, D.E. Fogg.\* Routes to High-Performing Ru-Iodide Catalysts for Olefin Metathesis. *Organometallics.* **2021**, 40, 1811–1816.
- 7C. C.O. Blanco, J. Sims, **D.L. Nascimento**, A.Y. Goudreault, S. Steinmann, C. Michel, D.E. Fogg.\* The Impact of Water on Ru-Catalyzed Olefin Metathesis. *ACS Catal.* **2021**, 11, 893–899.
- 6F. **D.L. Nascimento**, I. Reim, M. Foscato, V.R. Jensen, D.E. Fogg.\* Challenging Metathesis Catalysts with Nucleophiles and Brønsted Base: Examining the Stability of State-of-the-Art Ruthenium Carbene Catalysts to Attack by Amines. *ACS Catal.* **2020**, 10, 11623–11633.
- 5C. A.Y. Goudreault, D. Walden, **D.L. Nascimento**, A.G. Botti, S. Steinmann, C. Michel, D.E. Fogg.\* Hydroxide-Induced Degradation of Olefin Metathesis Catalysts. *ACS Catal.* **2020**, 10, 3838–3843.
- 4C. **D.L. Nascimento**, D.E. Fogg.\* Origin of the Breakthrough Productivity of Ruthenium-CAAC Catalysts in Olefin Metathesis *J. Am. Chem. Soc.* **2019**, 141, 19236–19240.
- 3C. **D.L. Nascimento**, A. Gawin, R. Gawin, P.A. Gunka, J. Zachara, K. Skowerski, D.E. Fogg.\* Integrating Activity with Accessibility in Olefin Metathesis. *J. Am. Chem. Soc.* **2019**, 141, 10626–10631.
- 2C. **D.L. Nascimento**, † C.S. Higman, † B.J. Ireland, G.A. Bailey, R. McDonald, S.A. Audörsch, D.E. Fogg.\* Chelate-Assisted Ring-Closing Metathesis. *J. Am. Chem. Soc.* **2018**, 140, 1604–1607. (†

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Co-first author).

1F. **D.L. Nascimento**, E.C Davy, D.E. Fogg.\* Merrifield Resin-Assisted Routes to Second-Generation Catalysts for Olefin Metathesis. *Catal. Sci. Technol.* **2018**, 8, 1535-1544.

### HONOURS & AWARDS (*amounts in USD*)

2025	<b>Proposal Preparation Program (P3)</b> Support faculty members as they prepare an external funding proposal	\$3,000
2022	<b>Pierre Laberge Award</b> Best doctoral thesis in Sciences; University of Ottawa	\$750, certificate
2022	<b>ACS-DIC Young Investigator Symposium Award</b> Awarded by the ACS Inorganic Division; International competition	\$1,400, lecture
2022	<b>Departmental Nominee, University of Ottawa Doctoral Thesis Prize</b> Department of Chemistry and Biomolecular Sciences; University of Ottawa	n/a
2019	<b>Canadian Chemistry Conference Travel Award</b> Selected best abstract to attend the Canadian Chemistry Conference; University of Ottawa	\$2,000
2014	<b>Poster Presentation Honorable Mention</b> 29 <sup>th</sup> Meeting of the Brazilian Society for Experimental Biology	n/a

### RESEARCH AND SCHOLASTIC FUNDING GRANTED (*amounts in USD*)

2025	UNCG Incoming Assistant Professor Startup Budget	\$450,000
2025	Conhecimento Brasil “Knowledge Brazil” (Federal – Brazil; <i>offer declined</i> )	\$200,000
2020	University of Ottawa Excellence Scholarship (Departmental – U. Ottawa)	\$9,000
2020	Ontario International Graduate Scholarship (Provincial – Canada)	\$15,000
2020	Baer Scholarship (Departmental – U. Ottawa)	\$3,500
2019/20	Scaiano International Doctoral Scholarship (Departmental – U. Ottawa)	\$20,000
2017	Yu International Entrance Scholarship (Departmental – U. Ottawa)	\$4,000
2016-20	International Admission Scholarship (Departmental – U. Ottawa)	\$31,000/y
2013-14	USA–Brazil International Education Fellowship (Federal – Brazil)	\$83,550
2012-16	Brazilian Council for Science & Technology Fellowship (Federal – Brazil)	\$4,800

### TEACHING & ADVISING EXPERIENCE

**Current Students** (P = postdoctoral fellow; G = graduate student; U = undergraduate student; H = high school student)

8G. Habib Ullah (1<sup>st</sup> year graduate student)

7P. Austin Pyrch (PhD from NC State University – Castellano group)

6G. Nelson Bonilla (1<sup>st</sup> year graduate student)

5U. Reina Bustamante (Senior; Biochemistry major)

4U. Nora Redinbaugh (Senior; Biochemistry major)

3U. Wesley Nack (Senior; Chemistry major)

2U. Kiefer McHugh (Senior; Chemistry major)

1H. Vihaan Sesetty (Early College at Guilford)

### Prior Students Mentored

#### • Nascimento Group (UNC Greensboro)

1U. Kavion Foster (Chemistry major)

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### • Harvard/uOttawa (G = graduate student; U = undergraduate student)

- 9U. Theodore Gianoulis (Summer Undergraduate Scholar; Hobart and William Smith Colleges)
- 8G. Meghan Sullivan (Before: Timothy Cook's group; University at Buffalo)
- 7U. Ryan Hannon (Honours BSc Thesis; now radiochemist at Centre for Addiction and Mental Health)
- 6U. Sambina Belavicqua (Honours BSc Thesis; now Scientific Evaluator, Health Canada)
- 5U. Olivia Bezan (Honours BSc Thesis, now researcher at Ontario Diagnostic Centres)
- 4U. Maressa Bradshaw (Honours BSc Thesis; now R.N. student, Trent University)
- 3U. Daniel Sheldon (BSc, Oxford; now PhD student, Imperial College, London; Crimmin group)
- 2U. Mason Guy (NSERC Summer Undergraduate Scholar; now PhD student, UBC; Hein group)
- 1U. Stephanie Ton (Honours BSc Thesis; now PhD student, Aarhus, Denmark; Skrydstrup group)

### Courses Taught (UNC Greensboro; G = graduate level; U = undergraduate level)

- 1G/U. CHE 570C/442 – Advanced Inorganic Chemistry (Spring 2026)

### Teaching Assistance (University of Ottawa)

- 2017-20 Laboratory Demonstrator, CHM 3350, Transition Metal Chemistry
- 2020 Laboratory Demonstrator, CHM 4354, Principles of Instrumental Analysis
- 2018/20 Laboratory Demonstrator, CHM 2354, Analytical Chemistry
- 2019 Laboratory Demonstrator, CHM2330, Physical Chemistry
- 2018 Discussion Group Leader, CHM2353, Descriptive Inorganic Chemistry
- 2018 Laboratory Demonstrator, CHM2353, Descriptive Inorganic Chemistry
- 2017 Laboratory Demonstrator, CHM1321, Organic Chemistry I
- 2016 Laboratory Demonstrator, CHM1311, Principles of Chemistry

### SCHOLARLY PRESENTATIONS (O = oral; P = poster)

- 10P. **D.L. Nascimento**, D.G. Nocera (2024) Photoredox oxidation of light alkanes by monometallic CuO complexes. Organometallic Chemistry Gordon Research Conference, Newport–RI, Jul. 7-12.
- 9O. **D.L. Nascimento**, D.E. Fogg (2023) Olefin Metathesis Catalysts: from Decomposition to Redesign. 106<sup>th</sup> Canadian Chemistry Conference, Vancouver–BC, Jun. 3-8.
- 8O,P. **D.L. Nascimento**, D.G. Nocera (2022) Alkane Oxidation via a Photoactivated Copper-Oxygen Complex. ACS Fall Conference, Chicago-IL, Aug 21-25.
- 7O,P. **D.L. Nascimento**, D.E. Fogg (2022) Advances in Olefin Metathesis: from Catalyst Decomposition to Redesign. ACS Fall Conference, Chicago-IL, Aug 21-25, **Award lecture for ACS Division of Inorganic Chemistry “Young Investigator Award”**
- 6O. **D.L. Nascimento**, D.E. Fogg (2020) Integrating Robustness and Productivity in Olefin Metathesis. Ottawa-Carleton Chemistry Institute Day (Virtual), Ottawa, Jun. 4.
- 5O. **D.L. Nascimento**, D.E. Fogg (2019) Integrating Catalyst Performance and Accessibility in Olefin Metathesis. 102<sup>nd</sup> Canadian Chemistry Conference, Quebec City, Jun. 3-7.
- 4O. **D.L. Nascimento**, D.E. Fogg (2018) H-Bonding-Assisted Metathesis Macrocyclization: Cyclizing Large Rings with Polar Groups. Ottawa-Carleton Chemistry Institute Day, Ottawa, May 22.
- 3P. **D.L. Nascimento**, D.E. Fogg (2017) Merrifield Resins as Phosphine Scavengers in Olefin Metathesis. Ottawa-Carleton Chemistry Institute Day, Ottawa, May 25.
- 2P. **D.L. Nascimento**, D.E. Fogg (2017) Merrifield Resins as Aids to Synthesis of Metathesis Catalysts. 100<sup>th</sup> Canadian Society for Chemistry Conference, Toronto, May 28-June 1.
- 1P. **D.L. Nascimento**, D.E. Fogg (2016) Exploring “Phosphine Sponges” as Aids in Synthesis of Ru Metathesis Catalysts. 49<sup>th</sup> Inorganic Discussion Weekend, Hamilton, Nov. 11-13.

### SCHOLARLY, PROFESSIONAL AND VOLUNTEERING SERVICES

## Daniel Luis do Nascimento, Ph. D. – *Curriculum Vitae*

- 2026 Symposium co-organizer for the 77<sup>th</sup> SERMACS (Southeastern Regional Meeting of the American Chemical Society), Nov. 04 – 07, 2026; Memphis, TN.
- 2026 Member of the Undergraduate Studies Committee.
- 2025-26 Member of the Graduate Studies Committee.
- 2025-26 Co-organizer, “Careers after UNCG” discussion panel.
- 2025 UNCG Chemistry and Biochemistry Dept. representative, 76<sup>th</sup> SERMACS (Southeastern Regional Meeting of the American Chemical Society) Graduate Student Fair. Orlando, FL.
- 2025 Advisor to the Collaborative Research and Engagement for Sustainable Technologies (CREST) program (Joint Scholl of Nanoscience and Noneengineering – JSNN).
- 2025 UNCG Chemistry and Biochemistry Department – Graduate Student Committee.
- 2024 Volunteer Student Leader of Harvard’s Chemistry Club.
- 2022-23 Chair of Harvard CCB – graduate students and postdocs council for invited speakers.
- 2023 Volunteer liaison for prospective postdoctoral fellows with underrepresented backgrounds in STEM as part of the Harvard CCB Equity, Diversity, Inclusion and Belonging (EDIB) committee.
- 2023 Volunteer of discussion panel “Choosing and Completing Graduate School for Underrepresented Minority Prospective Students”.
- 2023 Poster evaluator at 106<sup>th</sup> Canadian Chemistry Conference, Vancouver, Jun. 3-8.
- 2023 Member of organizing committee for Harvard CCB symposium, Cambridge, Aug. 31.
- 2023 Poster evaluator at Harvard CCB symposium, Cambridge, Aug. 31.

### PRESS

Featured as an *outstanding student* for two years running in U. Ottawa’s annual research report (2017 & 2021: <https://www.uottawa.ca/faculty-science/research-publications/annual-reports>; <https://www.uottawa.ca/faculty-science/news-all/doing-more-less-realizing-potential-olefin-metathesis-greener-future>)

Research article featured as “Hot article” and “Peak of the week” by Chemical Science editorial team (<https://pubs.rsc.org/en/journals/articlecollectionlanding?sercode=sc&themeid=ba97f10a-8118-4cf6-9e56-620d1d217010>; publication 10C)