

RONALD LAZO REYES

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Research Group Website: <http://wwwchem.sci.hokudai.ac.jp/~orgmet/index.php?id=25>



EDUCATIONAL BACKGROUND

- 2015 – 2018** **PhD in Chemistry**
Hokkaido University (Japan)
Supervised by Prof. Masaya Sawamura
Dissertation: Development of Catalytic Enantioselective C(sp³)-H
Borylation Reactions
- 2009 – 2012** **MSc in Chemistry**
Ateneo de Manila University (Philippines)
Supervised by Prof. Armando M. Guidote Jr. (Ateneo de Manila
University) and Prof. Koji Tanaka (Institute for Molecular Science,
Japan)
Thesis: Synthesis and Characterization of Biomimetic
Complexes of Manganese, Cobalt, and Ruthenium
- 2003 – 2007** **BSc in Chemistry**
University of the Philippines – Diliman (Philippines)
Supervised by Prof. Florentino Sumera
Thesis: Characterization of the Curing Kinetics of an Epoxy-Amine
System Liquid Underfill Encapsulant Material by Differential
Scanning Calorimetry

PROFESSIONAL/WORK HISTORY

Research Experience

Post-doctoral Researcher (April 2019 – Present)
Institute for Chemical Reaction Design and Discovery (WPI-ICReDD)
Hokkaido University, Sapporo, Japan

Post-doctoral Researcher (October 2018 – March 2019)
Faculty of Science, Department of Chemistry
Hokkaido University, Sapporo, Japan

JASSO-JENESYS Training for Young Scientists (October 2010 – March 2011)
Department of Life and Coordination-Complex Molecular Science
Institute for Molecular Science – Okazaki, Japan
Supervisor: Prof. Koji Tanaka

Academic Position

Assistant Professor (January 2015 – October 2015)
Associate Professorial Lecturer (April 2014 – December 2014)
Department of Chemistry, De La Salle University
Manila, Philippines

Instructor (2012–2014)
Assistant Instructor (2008–2012)
Department of Chemistry, Ateneo de Manila University
Quezon City, Philippines

HONORS AND AWARDS

- 2019** The CSJ Presentation Award
99th Chemistry Society of Japan (CSJ) Annual Meeting
Konan University, Kobe, Japan
- 2018** Best Poster Presentation Award
30th Annual BANYU Sapporo Symposium
Hokkaido University, Sapporo, Japan
- 2017** Best Poster Presentation Award
64th Symposium on Organometallic Chemistry
Tohoku University, Sendai, Japan
- 2012** Outstanding Graduate Research Award, Basic Research Category
School of Science and Engineering
Ateneo de Manila University
- 2011** JASSO-JENESYS Training for Young Scientist
Department of Life and Coordination-Complex Molecular Science
Institute for Molecular Science, Okazaki City, Japan
- 2003** Presidential Leadership Award
Presidential Award for Academic Excellence
Given by the former Philippine President Gloria Macapagal Arroyo

COMMUNITY, SCHOOL, OUTREACH

Chemistry Trainer for High School Teachers (2012)

- Served as mentor and trainer for public high school teachers specializing in chemistry. This outreach program aims to train and expose high school teachers to a different perspective in teaching chemistry or the sciences in general. This project is mainly headed by the Department of Mathematics of the Ateneo de Manila University.

Academic Volunteer Tutor (2004 – 2007) , University of the Philippines-Diliman
Chemistry Tutor (2009 – 2011), Asia Premiere One Source-Manila, Philippines

- Helped chemistry students in their respective classes and provided consultations where students can discuss difficulties in their chemistry classes and helped them solve these difficulties.

PUBLICATIONS

Reyes, R. L. and Sawamura, M. (2020). Dinaphtho[2,1-d:1',2'-f][1,3,2]dioxaphosphepin, 4-[[[(1R)-2'-[(triisopropylsilyl)oxy][1,1'-binaphthalen]-2-yl]oxy]-, (11bR)-(9CI). In *Encyclopedia of Reagents for Organic Synthesis*. In Press.

Reyes, R. L., Sato, M., Iwai, T., and Sawamura, M. Asymmetric Synthesis of α -Aminoboronates via Rhodium-Catalyzed Enantioselective C(sp³)-H Borylation. *J. Am. Chem. Soc.* **2020**, *142*, 589–597.

Reyes, R. L., Iwai, T., Maeda, S., and Sawamura, M. Iridium-catalyzed Asymmetric Borylation of Unactivated Methylene C(sp³)-H Bonds. *J. Am. Chem. Soc.* **2019**, *141*, 6817–6821.

Reyes, R. L., Harada, T., Taniguchi T., Monde, K., Iwai, T., and Sawamura, M. Enantioselective Rh- or Ir-Catalyzed Directed C(sp³)-H Borylation with Phosphoramidite Chiral Ligands. *Chemistry Letters* **2017**, *46*, 1747–1750.

Reyes, R. L., and Tanaka, K. The NAD⁺/NADH Redox Couple - Insights from the Perspective of Electrochemical Energy Transformation and Biomimetic Chemistry. *Kimika*, **2017**, *28*,1, 32–43.

Guidote, A. M. Jr., Reyes, R. L., Kashihara, R., Kurusu, Y., and Masuyama, Y. Electronic Effects in Oxidation Reactions Utilizing Dinuclear Copper Complexes with the Bis[3-(2-hydroxybenzylideneamino)phenyl] Sulfone Ligand”, *Kimika*, **2014**, *25*, 2, 12–23.

ORGANIZATION, AFFILIATION, LICENSE

Chemical Society of Japan
Kapisanang Kimika ng Pilipinas (Philippine Chemical Society)
Licensed Chemist, Philippine Professional Regulation Commission
JASSO/JENESYS Young Molecular Scientist Alumni