

Gregory David Bowden

Personal Data

Status/Function: PhD Student
Scientific focus: Imaging Probe Development and Radiochemistry
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Education and qualifications

- Jan 2010 – July 2012 **Masters of Science (M.Sc.) in synthetic organic chemistry (Supervisor: Prof Roger Hunter) - Department of chemistry, University of Cape Town, Cape Town, South Africa**
- Thesis titled: "Novel Acyclic Nucleotide Phosphonates against RNA viruses."
- Jan 2009 – Dec 2009 **Bachelors of science Honors B.Sc. (Hons) in chemistry, thesis in synthetic organic chemistry – Department of chemistry, University of Cape Town, Cape Town, South Africa.**
- Feb 2006 – Dec 2008 **Undergraduate degree (B.Sc)– University of Cape Town, Cape Town, South Africa**
- Majors in Chemistry and biochemistry
 - Elective courses in Medicinal Chemistry and Chemistry in Health and Disease.

Teaching Experience

- 2017 Radiochemistry and Radiopharmacy Module for Master students in biochemistry, Department of Preclinical Imaging and Radiopharmacy, Tübingen
- 2014-2017 Radiochemistry courses for Bachelor and Master students in Medical Technologies and Medical Physics Experts, Department of Preclinical Imaging and Radiopharmacy, Tübingen
- 2009-2012 Teaching Assistant and Tutor, Department of chemistry, University of Cape Town, Cape Town, South Africa

Additional Qualifications and Skills

- May 2012 – Sep 2012 **Correspondence Course in "BioPharma Research Management Training"- Xcell Bioconsulting and University of Cape Town, Graduate school of Business, Cape Town, South Africa**
- scientific entrepreneurship, scientific research project management and business skills for scientists.
- January 2010 Attended the 2010 GlaxoSmithKline residential chemistry training experience at GSK R&D, Stevenage in the UK

Conferences and Courses attended

Oral presentations:

“A Design of Experiments (DoE) Approach Towards the Optimization of Copper-Mediated Radiofluorination Reactions of Arylstannanes.” European Molecular Imaging Meeting (EMIM), March 2018, San Sebastián.

Session Lecture **“Radiotracer Synthesis In Practice”**. 11th Small Animal Imaging Workshop, February 2016, Tübingen, Germany

“A New Method for Increasing the Uptake of [64Cu]-NODAGA-Exendin-4 Into GLP-1 Receptor Bearing INS-1 Tumor Cells Using an Ago-Allosteric Modulating Quinoxaline Derivative” European Molecular Imaging Meeting (EMIM), March 2015, Tübingen.

Poster presentations:

“An Ago-allosteric Enhancer of [64Cu]-NODAGA-Exendin-4 Increases Tracer Uptake In Glucagon-Like Peptide-1 Receptor (GLP-1R) Expressing β -cell Derived INS-1 Tumour Cells: A Pilot Study”. World Molecular Imaging Conference (WMIC), September 2014, Seoul, South Korea

“Enhanced [64Cu]-NODAGA-Exendin-4 Uptake into GLP-1 Receptor Expressing Cells Using an Ago-allosteric Modulating Quinoxaline Derivative: A Step Towards Improved β -Cell imaging.” International Symposium Radiopharmaceutical Sciences, May 2015, Columbia, MO, USA (Poster Award in the Radio-metals Category).

“In-vitro Investigations into the Exendin Uptake Enhancing Effects of a Quinoxaline Derivative in a GLP-1R Expressing Cell Line” World Molecular Imaging Conference (WMIC), September 2016, New York City, NY USA

“The Evaluation of Radiolabeled-Exendin Uptake Enhancement Effects of a Quinoxaline Derivative in GLP-1R Expressing Cell Lines.” International Symposium Radiopharmaceutical Sciences, May 2017, Dresden, Germany

Professional Memberships

ESMI member: 2014 – present

Research Grants and Fellowships

2017-2018	Leutze Foundation grant award for: “The Investigation of New Radiofluorination Methods for the Design and Synthesis of ¹⁸ F labeled Radiotracers”
2013-2015	Marie Skłodowska-Curie (ITN) Fellowship: BetaTrain Fellowship