Dr. Jonathan Cotton

Personal Data

Status/Function:	PhD Student
Scientific focus:	Radiochemistry, Oncology
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Education and qualifications

2011 – present:	**PhD, Werner Siemens Imaging Center** Tuebingen, Germany
2009 – 2010:	**MSc Chemistry** University of Cape Town, South Africa
2008:	**BSc (Hons) Chemistry** University of Cape Town, South Africa
2005 – 2007:	**BSc Chemistry** University of Cape Town, South Africa

Teaching Experience

2016:	**Introduction to Radiochemistry** – 90 minute lecture at annual small animal imaging work shop Tuebingen, Germany
2012 – 2016:	**Supervised**: Diploma Student (2016), Bachelor Student (2015) and Internship Student (2014)
2013 – present:	**Bachelors and Masters (Biomedical Engineering)** – Lectures, 6h per semester Tuebingen, Germany
2006 – 2010:	**Chemistry Tutor and Student Practical Supervisor** University of Cape Town, South Africa

Publications

1. "The Garlic Compound Ajoene Targets Protein Folding in the Endoplasmic Reticulum of Cancer Cells"; C. Kaschula, R. Hunter, J. Cotton, R. Tuveri, E. Ngarande, K, Dzobo, G Schaefer, V. Siyo, D. Lang, D. Kusza, B. Davies, A. Katz, M.I. Parker; *Molecular Carcinogenesis*; 2015

2. "New Excursions Into the Synthesis and Medicinal Chemistry of the Disulfide Bond"; R. Hunter, C. Kaschula, N. Stellenboom, J. Cotton, M.I. Parker; *Phosphorus, Sulfur, and Silicon and the related elements*; vol 188; 11; 2013
3. "Anti-Proliferative Activity of Synthetic Ajoene Analogues on Cancer Cell-Lines"; C. Kaschula , R. Hunter, T. Hassan, N. Stellenboom, J. Cotton, M.I. Parker; *Curr. Med. Chem.*; 2011; 260-266(7)

4. "Structure–activity Studies on the Anti-proliferation Activity of Ajoene Analogues in WHCO1 Oesophageal Cancer Cells"; C. Kaschula, R. Hunter, N. Stellenboom, M.R. Caira, S. Winks, T. Ogunleye, P. Richards, J. Cotton, K. Zilbeyaz, Y. Wang, V. Siyo, E. Ngarande, M.I. Parker; *Eur. J. Med Chem.;* 2012; 236-254

5. "Incorporating Active Pharmaceutical Ingredients into a Molecular Salt Using a Chiral Counterion"; A. Lemmerer, S. A. Bourne, M. R. Caira, J. Cotton, U. Hendricks, L C. Peinke, L Trollope; *CrystEngComm*.; 2010; DOI: 10.1039/b000000x

Conferences and Courses attended

- Poster: EMIM 2016, entitled: "*Synthesis and Comparison of Several Small Molecules as Novel PET Tracers for In Vivo Imaging of Tumor Senescence*"

- Oral Presentation: ISRS 2015, entitled: "*Synthesis and In Vivo Evaluation of the Novel Tracer for Positron Emission Tomography Imaging of Tumor Senescence*"

- Oral Presentation: EMIM 2015, entitled: "*A Novel PET Tracer for Imaging Tumor Senescence: Synthesis and Evaluation*"

- Poster: WMIC (Late Breaking) 2014, entitled: "*Synthesis and In Vivo Evaluation of a Tracer for PET Imaging of Tumor Senescence*"

- Poster: WMIC 2012, entitled: "*In Vivo Imaging of Tumor Senescence*"

Professional Memberships

- Member of ESMI