RONDAXE

Shelly James Ph.D.

SUMMARY

Experienced chemical researcher with in-depth current knowledge of the radiopharmaceutical industry including synthesis, biological assays and analytical methods. Responsible for timely development and generation of radiopharmaceuticals for research purposes and clinical trials. Excellent management and communication skills with a focus on achieving project goals in an efficient manner. Skilled technical writer with experience in grant writing, manuscripts and technical reports.

PROFESSIONAL EXPERIENCE

Senior Advisor, Rondaxe*:* 2013-Present

- Project Management / Technical Writing
  - Organize project documents
  - Compile reports from multiple documents
  - Edit technical documents and summary reports

- Database development and management
  - Test database for errors and robustness
  - Review batch records, MSDS documents, and records pertaining to process development activities

Postdoctoral Research Scientist, University of California, San Francisco, School of Medicine: 2011-2013

- Developed synthetic and radiolabeling routes for pharmaceuticals targeting neurological disorders, prostate cancer and breast cancer
  - Radiolabeled pharmaceutical compounds with ^{18}F
  - Optimized synthetic methods for clinical trials and scale up activities
  - Developed analytical methods for purification and identification of the final products prior to studies
  - Explored biological activity through the use of in vitro and in vivo assays
  - Coordinated research trial activities with multiple teams
  - Wrote research papers and presented research at conferences
  - Supervised junior scientists in lab activities

Postdoctoral Research Scientist, University of New Mexico, Department of Pharmacology: 2009-2011

- Developed effective synthetic routes for Herceptin based radiopharmaceuticals
  - Managed projects and coordinated efforts of team members throughout project
  - Designed robust and reproducible radiolabeling procedures
  - Performed cell culture and biological assays
  - Purified protein based radiopharmaceuticals
  - Designed quantum dot-antibody conjugate synthesis targeting inflammation and infection
  - Explored fluorescent properties of novel radiopharmaceuticals
  - Authored grants and publications; presented novel research at conferences

Environmental Scientist, Syracuse Research Corporation: 2008

- Coordinated team efforts in researching and updating environmental risk analysis of chemical compounds.
  - Investigated environmental hazards of chemical compounds through the use of chemical knowledge and literature to assess human health risks
  - Evaluated and prepared chemical analysis on environmental impact of chemical reactions and compounds
  - Compiled data detailing environmental hazards

Graduate Researcher, Syracuse University: 2001 – 2007

- Developed and executed multi-step synthetic routes toward natural products targeting breast, prostate and brain cancer
  - Characterized compounds through the use of HPLC, NMR, IR and MS methods
  - Investigated biological properties through the use of radiolabelling compounds for in vitro and in vivo experiments: competitive binding, saturation, stability studies, and biodistribution experiments
  - Conducted fluorescence studies: quantum yield, lifetime, emission, excitation, fluorescence microscopy
  - Wrote multiple publications presenting novel research

Analytical Chemist, Bristol-Myers Squibb, Analytical Department: 2000-2001

- Analyzed process and research samples during production runs
  - Identified unknown and known impurities throughout the process
  - Responsible for QC of process samples
  - Performed calibration and routine maintenance of equipment: HPLC, GC and MS
  - Analyzed waste streams during process
  - Supported method development analytical group

EDUCATION

Ph.D, Syracuse University
Major: Chemistry

B.S., University of California, Santa Barbara
Major: Chemistry

AWARDS/HONORS

INBRE Fellowship
Howard Hughes Medical Institute Research Award
Genesis Research Award
AAW Scholarship

PUBLICATIONS

James, S.; Ahmed, S.K.; Murphy, S; Braden, M.R.; Belabassi, Y.; VanBrocklin, H.F.; Thompson, C.M.; and Gerdes, J.M.; *ACS Chem. Neurosci*, **2014**, *5*(7), 519-524.

O'Leary, D.J.; Allis, D.G.; Hudson, B.S.; James, S.; Morgera, K.B.; and Baldwin, J.E.; *J. Am. Chem. Soc.*, **2008**, *130*(41), 13659-13663.

James, S.; Maresca, K.; Babich, J.; Valliant, J.; Doering, L.; Zubieta, J.; *Bioconjugate Chemistry*, **2006**, *17*(3), 590-596.

James, S.; Maresca, K.; Allis, D.; Valliant, J.; Eckelman, W.; Babich, J.; Zubieta, J.; *Bioconjugate Chemistry*, **2006**, *17*(3), 579-589.

Lazarova, N.; Maresca, K.; Babich, J.; Schaeffer, P.; James, S.; Zubieta, J.; *Inorganic Chemistry*, **2005**, *44*(19), 6763-6770.

Lazarova, N.; James, S.; Babich, J.; Zubieta, J.; *Inorganic Chemistry Communication*, **2004**, *7*(9), 1023-1026.

Lipshutz, B.H.; James, B.; Vance, S.; Carrico, I; *Tetrahedron Lett.* **1997**, *38*, 753.

Lipshutz, B. H.; Buzard, D. J.; Carrico, I.; Dickson, D.; James, B.; Lindsley, C. Pecchi, S.; Vance, S.; Ullman, B. R. New Organometallic Solutions to Problems in Polyene Natural and Unnatural Products Synthesis, *Proceedings of the 5th Symposium on Organic Synthesis via Organometallics (OSM 5)*, Heidelberg, **1996**.

PRESENTATIONS

James, S.; Blecha, J.; Beasley, J.; Kraus, G.; Neilson-Hamilton, M.; VanBrocklin, H.F. One Pot F-18 Radiolabeling Utilizing the Horner Wadsworth Emmons as a Reaction Platform, International Symposium on Radiopharmaceutical Sciences, Korea, 2013, poster presentation.

James, S.; Maresca, K.; Valliant, J.; Babich, J.; Doering, L.; Zubieta, J. Biotin derivatives for radiotherapeutics and fluorescent in vivo models; 230th ACS National Meeting, Washington, D.C. August 2005, poster presentation.

James, S.; Babich, J.W.; Zubieta, J.; Urea based rhenium tricarbonyl dipeptide compounds as potential radiopharmaceuticals for PSMA imaging; 229th ACS National Meeting, San Diego, CA. March 2005, poster presentation.

James, S.; Maresca, K.; Babich, J.W.; Zubieta, J.A. Biotin Based Radiopharmaceuticals: Avidin Binding and Specificity; 228th ACS National Meeting, Philadelphia, PA. August 2004, poster presentation.

James, S.; Babich, J.W.; Maresca, K.; Zubieta, J.A. Biotin Based Radiopharmaceuticals: Avidin Binding and Specificity; Society of Nuclear Medicine National Meeting, Philadelphia, PA., May 2004, oral presentation.