Ester Person

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EDUCATION

University of Pennsylvania, Philadelphia, PA
Ph.D. Candidate in Organic Chemistry — 2006 – present
Expected graduation – August 2011

Yale University, New Haven, CT
B.A. in Biology — May 2002

EXPERIENCE

University of Pennsylvania, Philadelphia, PA
GRADUATE STUDENT — 2006 – present
Research Advisor: Amos B. Smith, III

- Fontaine Fellowship (2006–2007)
- Completing a total synthesis of (–)-enigmazole B, a macrolide natural product which inhibits c-Kit, a transmembrane receptor tyrosine kinase which has been linked to a variety of cancers upon mutation
- Synthesis of the C(20–27) fragment of (+)-rimocidin aglycon, a polyene macrolide natural product possessing anti-fungal activity
- Routine use of 500 MHz Bruker NMR and analysis of 1D (^{1}H, ^{13}C, DEPT) and 2D (COSY, HSQC, HMBC, NOESY) spectra
- Past President of the Student Seminar Series (2006–2010)

TEACHING ASSISTANT — 2007 – 2009

- Awarded departmental commendation for outstanding performance by a teaching assistant (April 2008)
- Instructor in undergraduate organic chemistry laboratory course, closely supervising 12-14 students per semester

Rib-X Pharmaceuticals, Inc., New Haven, CT
RESEARCH ASSOCIATE II – MEDICINAL CHEMISTRY — 2005 – 2006
RESEARCH ASSOCIATE I – MEDICINAL CHEMISTRY — 2002 – 2005

- Synthesized 100+ novel oxazolidinone antibiotics targeting the 50s subunit of the bacterial ribosome, resulting in several patents and publications
- Experience with solution and solid phase chemistry, as well as parallel synthesis and combinatorial chemistry methods

- Developed a library of 20+ TFP resin-bound carboxylic acids, in addition to upkeep of library database
- Optimized synthetic routes toward key intermediates in preparation of large-scale production for clinical trials as member of process development team
- Familiarity in the analysis of structure-activity relationships in order to improve the antibacterial efficacy and ribosomal binding affinity of new compounds
- Worked closely with computational chemists and structural biologists in the design of *de novo* small molecule ribosomal inhibitors

PATENTS AND PATENT APPLICATIONS

- Zhou, J.; Bhattacharjee, A.; Chen, S.; Chen, Y.; Farmer, J.J.; Goldberg, J.A.; Hanselmann, R.; Lou, R.; **Person, E.**; Oyelere, A.K.; Salvino, J.M.; Springer, D.M.; Tran, J.; Wang, D.; Wu, Y. "Biaryl Heterocyclic Compounds and Methods of Making and Using the Same." Nov 25, 2008. **US 7,456,206**.

- Lou, R.; Zhou, J.; Bhattacharjee, A.; Chen, S.; Chen, Y.; Farmer, J.J.; Goldberg, J.A.; Hanselmann, R.; **Person, E.**; Oyelere, A.K.; Salvino, J.M.; Springer, D.M.; Tran, J.; Wang, D.; Wu, Y. "Biaryl Heterocyclic Compounds and Methods of Making and Using the Same." Dec 12, 2006. **US 7,148,219**.

- Lou, R.; Zhou, J.; Bhattacharjee, A.; Chen, S.; Chen, Y.; Farmer, J.J.; Goldberg, J.A.; Hanselmann, R.; **Person, E.**; Oyelere, A.K.; Salvino, J.M.; Springer, D.M.; Tran, J.; Wang, D.; Wu, Y. "Biaryl Heterocyclic Compounds and Methods of Making and Using the Same." Nov 29, 2005. **US 6,969,726**.

- Goldberg, J.A.; Chen, S.; Farmer, J.J.; **Person, E.**; Salvino, J.M.; Zhou, J. "Sulfonamide Compounds and Methods of Making and Using the Same." **WO 2005/070904**.

- Zhou, J.; Bhattacharjee, A.; Chen, S.; Chen, Y.; Farmer, J.J.; Goldberg, J.A.; Hanselmann, R.; Lou, R.; **Person, E.**; Oyelere, A.K.; Salvino, J.M.; Springer, D.M.; Tran, J.; Wang, D.; Wu, Y. "Biaryl Heterocyclic Compounds and Methods of Making and Using the Same." **WO 2005/019211**.

- Oyelere, A.K.; Goldberg, J.A.; **Person, E.**; Salvino, J.M.; Zhou, J. "Preparation of Biphenyl-oxazolidinones and Related Compounds for Treatment of Infection, Proliferative Disease, Inflammation, and Gastrointestinal Mobility Disorders." **WO 2005/012270**.

PUBLICATIONS

- Smith, A.B. III; Foley, M.A.; Dong, S.; **Person, E.** "(+)-Rimocidin Synthetic Studies: Construction of the C(1–27) Aglycon Skeleton." *J. Org. Chem*. **2009**, *74*, 5987-6001.

- Zhou, J.; Bhattacharjee, A.; Chen, S.; Chen, Y.; Duffy, E.; Farmer, J.; Goldberg, J.; Hanselmann, R.; Ippolito, J.A.; Lou, R.; **Person, E.**; Oyelere, A.; Salvino, J.; Springer, D.; Tran, J.; Wang, D.; Wu, Y.; Johnson, G. "Design at the atomic level: Generation of novel hybrid biaryloxazolidinones as promising new antibiotics." *Bioorg. Med. Chem. Lett*. **2008**, *18*, 6179-6183.

- Zhou, J.; Bhattacharjee, A.; Chen, S.; Chen, Y.; Duffy, E.; Farmer, J.; Goldberg, J.; Hanselmann, R.; Ippolito, J.A.; Lou, R.; **Person, E.**; Oyelere, A.; Salvino, J.; Springer, D.; Tran, J.; Wang, D.; Wu, Y.; Johnson, G. "Design at the atomic level: Design of biaryl-oxazolidinones as potent orally active antibiotics." *Bioorg. Med. Chem. Lett*. **2008**, *18*, 6175-6178.

POSTER PRESENTATION

- **Person, E.**; Foley, M.A.; Smith, A.B., III. "Toward the total synthesis of (+)-rimocidin aglycon" at the 236th National Meeting for the American Chemical Society, Philadelphia, PA, August 2008.

REFERENCES

Available upon request