

CURRICULUM VITAE

Rebecca L. Landsberg, Ph.D.

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EDUCATION

Postdoctoral Fellowship, 2003-2007
Laboratory of Dr. Susan Dymecki,
Harvard Medical School, Boston, MA.

Doctor of Philosophy in Biology, 1997-2003
Laboratory of Dr. Jacqueline Lees,
Massachusetts Institute of Technology, Cambridge, MA.

Bachelor of Arts in Biochemistry, 1993-1997
Wellesley College, Wellesley, MA.

RESEARCH EXPERIENCE

2012-Present. Assistant Professor, Biology, The College of Saint Rose
My research focuses on elucidating patterning events enacted in the lower rhombic lip, a germinal zone situated in the dorsal embryonic hindbrain, which affect the production of brainstem precerebellar neurons.

2007-2012. Assistant Professor, Biology, University of Illinois Springfield.

2008-2012. Adjunct Professor, Pharmacology Southern Illinois University School of Medicine, Springfield.

2003-2007. Postdoctoral fellow in the laboratory of Dr. Susan Dymecki, Department of Genetics, Harvard Medical School

1998-2003. Graduate student in the laboratory of Dr. Jacqueline Lees, Department of Biology, Massachusetts Institute of Technology.

1996-1997. Undergraduate thesis research in the laboratory of Dr. David Haines, Department of Chemistry, Wellesley College.

1996. Summer undergraduate research fellow in the laboratory of Dr. Michael White, Department of Cell Biology and Neuroscience, University of Texas Southwestern Medical Center.

1995-1996. Undergraduate research in the laboratory of Dr. Dennis Smith, Department of Biology, Wellesley College.

GRANTS AND FELLOWSHIPS

2015 The College of Saint Rose Scholars and Artists Grant
2013 The College of Saint Rose Scholars and Artists Grant
2011 University of Illinois Springfield Summer Scholarly Research Support Grant

- 2010-2012 University of Illinois Springfield College of Liberal Arts & Sciences Faculty Scholarship Enhancement Award.
- 2010 Society of Developmental Biology Teaching Faculty Travel Award
- 2010 University of Illinois Springfield Summer Scholarly Research Support Grant
- 2009-2012. **National Institutes of Health NIH R15- NICHD 1R15HD5992201** Identification of Factors Influencing Climbing Fiber Neuron Fate in the Dorsal Hindbrain. Direct Costs \$150,000.
- 2009 University of Illinois Springfield Summer Scholarly Research Support Grant
- 2008 University of Illinois Springfield Summer Scholarly Research Support Grant
- 2008 Society of Developmental Biology Teaching Faculty Travel Award
- 2005-2007 National Institutes of Health, Ruth Kirschstein National Research Service Award (F32).
- 2005 National Ataxia Foundation Postdoctoral Fellowship.
- 2001-2002 Anna Fuller Fund, Graduate Fellowship

PROFESSIONAL MEMBERSHIPS

- 2008-Present Society for Neuroscience
- 2008-2012 Sangamon Chapter, Society for Neuroscience
- 2003-Present Society for Developmental Biology (SDB)

PROFESSIONAL ACTIVITIES

- 2016 Chapter Reviewer for "Development" textbook 11th edition by Michael Barresi and Scott Gilbert
- 2013 Member of CourseSource Advisement Group- develop competencies for Undergraduate Developmental Biology for a Howard Hughes led initiative
- 2009-Present Professional Development and Education Committee (PDEC) for SDB

PRESENTATIONS

- 2016 Society of Developmental Biology- Co-Chair of Panel Session on Integrating Research into Teaching Labs
- 2016 Northeast Chapter of the Society for Developmental Biology- The Effects of Maternal Alcohol Exposure on the Development of the Precerebellar System
- 2015 Society of Developmental Biology- Poster Presentation- The Effects of Maternal Alcohol Exposure on the Development of the Precerebellar System
- 2015 Northeast Chapter of the Society for Developmental Biology- The Effects of Maternal Alcohol Exposure on the Development of the Precerebellar System
- 2014 Society of Developmental Biology- Co-Chair of Panel Session on Integrating Assessment into Scientific Programs
- 2014 Rensselaer Polytechnic Institute- Invited Speaker- Developmental Biology Course- The Development of the Precerebellar System
- 2013 Society of Developmental Biology- Induction of Brn3a Through Ectopic Expression of Mash1, Ngn1, or Ptf1a
- 2012 The College of Saint Rose- Invited Speaker- Presentation to the Natural Sciences Colloquium- The Development of the Precerebellar System
- 2011 Society for Developmental Biology- Poster Presentation- The Effects of Maternal Alcohol Exposure on the Development of the Precerebellar System
- 2011 Southern Illinois University Medical School- Invited Speaker- Teaching Scientific Courses Online
- 2010 Illinois Association of Community College Biologist- Invited Speaker- Building the Brainstem
- 2010 Sangamon Chapter of Society for Neuroscience- Presentation- Development of an *In vitro* Electroporation Assay in the Mouse
- 2010 Society for Developmental Biology- Poster Presentation- Development of an *In Vitro* Electroporation Assay in the Mouse

PUBLICATIONS

Holland, P., George, A., Worrell, T. C. and **Landsberg, R.L.** In vitro electroporation of the lower rhombic lip of midgestation mouse embryos. *J Vis Exp.* 2012 Aug 3;(66):e3983. doi: 10.3791/3983.

Landsberg, R.L., and Dymecki, S.M. The inferior olivary nucleus arises from multiple molecularly distinct progenitor domains. *In preparation.*

Landsberg, R.L., Awatramani, R.B., Hunter, N.L., Farago, A.F., DiPietrantonio, H.J., and Dymecki, S. M. Hindbrain rhombic lip is comprised of discrete progenitor cell populations allocated by Pax6. *Neuron* 48:933-947 (2005).

Landsberg, R.L., Sero, J.S., Danielian, P.S., Yuan, T.L., Lee, E.Y., and Lees, J.A. The Role of E2F4 in adipogenesis is independent of its cell cycle regulatory activity. *Proc Natl Acad Sci U S A* 100:2456-61 (2003).

Fajas, L., **Landsberg, R.L.**, Huss-Garcia, Y., Lees, J.A., Sardet, C., and Auwerx, J. E2Fs Regulate Adipocyte Differentiation. *Dev Cell* 3:39-49 (2002).

Humbert, P.O., Rogers, C., Ganiatsas, S., **Landsberg, R.L.**, Trimarchi, J.M., Dandapani, S., Brugnara, C., Erdman, S., Schrenzel, M., Bronson, R.T., and Lees, J.A. E2F4 is essential for normal erythrocyte maturation and neonatal viability. *Mol Cell* 6:281-291 (2000).