

# SHEREE L. RYBAK, PH.D.

PARTNER

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## OVERVIEW

Sheree's practice is focused on the preparation and prosecution of patent and trademark applications. She also prepares patentability opinions, freedom-to-operate opinions, non-infringement opinions, invalidity opinions, and prosecution and litigation of U.S. trademarks.

Sheree has expertise in biotechnology, including molecular biology, biochemistry, virology, medical diagnostics, and botany. She has extensive experience prosecuting plant patents. Additionally, Sheree has served on the firm's Management Committee, and is currently Chair of the firm's Administrative Services Committee.

Sheree joined Klarquist in 1998 as a patent agent and became partner in 2008.

## PROFESSIONAL EXPERIENCE

► Oregon Health & Science University | Post-Doctoral Fellow, 1997 – 1998 | Portland, OR | *Designed and constructed genetically engineered fluorescent-tagged proteins, examined trafficking of these proteins using real-time microscopy and developed in vitro protein binding assays; National Institutes of Health post-doctoral Neuroendocrine Training Grant, 1997 – 1998*

► Carnegie Mellon University | Doctoral Candidate, Department of Biological Sciences, 1992 – 1997 | Pittsburgh, PA | *Developed cell biological and theoretical methods to study mechanisms of endosomal pH regulation.*

► Phi Kappa Phi, National Honor Society (1996); American Society for Cell Biology predoctoral/student travel award to attend the 1995 meeting; American Heart Association, Pennsylvania Affiliate, student fellowship (1994 – 1996); National Science Foundation fellowship through Graduate Research Training Grant at the Center for Light Microscope Imaging and Biotechnology (1994 – 1996); National Institutes of Health award to attend the Physiology: Cellular and Molecular Biology course at the Marine Biological Laboratory, Woods Hole, Massachusetts (1994); Graduate Student Conference Presentation Grant from Carnegie Mellon University to attend the 1993 American Society for Cell Biology Meeting.

## EDUCATION

J.D., *cum laude*, Lewis & Clark Law School, 2003

Ph.D., Biological Sciences, Carnegie Mellon University, 1997

B.S., *magna cum laude* in Biology, Lebanon Valley College, 1990

## ADMISSIONS

Arizona, 2009

Oregon, 2003

U.S. Patent and Trademark Office, 2001 (Reg. No. 47,913)

## PRACTICE AREAS

Patents

Trademarks

Intellectual Property  
Counseling

## TECHNOLOGY AREAS

Life Sciences &  
Biotechnology

Plants

Agriculture & Food  
Science

Chemical

**Klarquist**

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## PROFESSIONAL EXPERIENCE

▶ University of Maryland at Baltimore | Research Assistant, 1990 – 1992 | Baltimore, MD  
Studied the effects of the calcium pool inhibitors on cell growth.

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## PROFESSIONAL ACTIVITIES

▶ Oregon State Bar Legal Ethics Committee, 2005 – 2007

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## PRESENTATIONS & PUBLICATIONS

- ▶ Rybak, S. L. and R. F. Murphy. (2000). Measurement of ligand acidification kinetics for adherent and non-adherent cells. In *Living Color: Flow Cytometry and Cell Sorting Protocols*. R. Diamond and S. DeMaggio, editors. pp. 496-523.
- ▶ Wan, L., S. S. Molloy, L. Thomas, G. Liu, Y. Xiang, S. L. Rybak, and G. Thomas. PACS-1 defines a novel gene family of cytosolic sorting proteins required for trans-Golgi network localization. (1998). *Cell* 94:205-216.
- ▶ Rybak, S. L., and R. F. Murphy. (1998). Primary cell cultures from murine kidney and heart differ in endosomal pH. *J. Cell. Physiol.* 176:216-222.
- ▶ Rybak, S. L., F. Lanni and R. F. Murphy. (1997). Theoretical considerations on the role of membrane potential in the regulation of endosomal pH. *Biophys. J.* 73:674-687.
- ▶ Benka, M. L., Lee, M., Wang, G-R., Buckman, S., Burlacu, A., Cole, L., DePina, A., Dias, P., Granger, A., Grant, B., Hayward-Lester, A., Karki, S., Mann, S., Marcu, O., Nussenzweig, A., Piepenhagen, P., Raje, M., Roegiers, F., Rybak, S., Salic, A., Schultes, E., Smith-Hall, J., Waters, J., Yamamoto, N., Yanowitz, J., Yenw, K., Busa, W., and Mendelsohn, M.E. (1995) The Thrombin Receptor in Human Platelets is Coupled to a GTP-binding protein of the Gαq Family. *FEBS Letters*, 363:49-52.
- ▶ Short, A. D., Bian, J., Ghosh, T.K., Waldron, R.T., Rybak, S.L., and Gill, D.L. (1993) Intracellular Ca<sup>2+</sup> pool content is linked to control of cell growth. *Proc. Natl. Acad. Sci. USA*, 90:4986-4990.
- ▶ Gill, D. L., Ghosh, T.K., Bian, J., Short, A.D., Waldron, R.T., and Rybak, S.L. (1992) Function and Organization of the Inositol 1,4,5-Trisphosphate-Sensitive Calcium Pool. In: *Adv. Second Messenger Phosphoprotein Res.* J.W. Putney, editor. 26:265-308.
- ▶ Ghosh, T. K., Bian, J., Short, A.D., Rybak, S.L., and Gill, D.L. (1991) Persistent Intracellular Calcium Pool Depletion by Thapsigargin and Its Influence on Cell growth. *J. Biol. Chem.*, 266:24690-24697.
- ▶ AIA: Changes to Inventor's Oath or Declaration, July 2012