



Catherine Anne-Marie Rottkamp, M.D., Ph.D.

Philosophy of Care

I believe that exceptional NICU care requires a team of dedicated professionals as well as involvement of and communication with parents. I strive everyday to maximize outcomes for our babies and to get them home with their families where they belong.

Research/Academic Interests

I am interested in neurodevelopmental biology. My PhD thesis and work as a post-doctoral fellow concentrated on how the developing nervous system establishes all of the cell populations required for it to function. As a neonatologist at UC Davis, I will focus on using this expertise to help improve developmental outcomes in sick and preterm neonates.

Title Assistant Professor of Clinical Pediatrics

Specialty Neonatology

Department [Pediatrics](#)

Division Neonatology

Center/Program Affiliation [UC Davis Children's Hospital](#)

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Languages French

Education M.D., Case Western Reserve University School of Medicine, Cleveland OH 2009
Ph.D., Neurosciences, Case Western Reserve University School of Medicine, Cleveland OH 2007
B.A., Colgate University, Hamilton NY 1998

Internships Pediatrics, Boston Children's Hospital and Boston Medical Center, Boston MA 2009-2010

Residency Pediatrics, Boston Children's Hospital and Boston Medical Center, Boston MA 2010-2012

Fellowships Neonatology, UC San Francisco Children's Hospital, San Francisco CA 2012-2015



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- Board Certifications** American Board of Pediatrics, 2013
American Board of Pediatrics, Neonatal-Perinatal Medicine, 2015
- Professional Memberships** American Academy of Pediatrics
American Academy of Pediatrics - Perinatal Section
- Honors and Awards** Award for Excellence in Clinical Pediatrics, 2009
- Select Recent Publications** Rottkamp CA, Lobur KJ, Wladyka CL, Lucky AK and O’Gorman S. Pbx3 is required for normal locomotion and dorsal horn development. *Dev. Biol.* 2008;314(1), 23-39.
- Murray K., Calaora V., Rottkamp C., Guichert O. and Dubois-Dalcq M. Sonic hedgehog is a potent inducer of rat oligodendrocyte development from cortical precursors in vitro. *Mol. Cell. Neurosci.*, 2002;19, 320-332.
- Franzen R, Tanner S.L., Dashiell S.M., Rottkamp C.A., Hammer, J.A. and Quarles R.H. Microtubule-associated protein 1B: a neuronal binding partner for myelin-associated glycoprotein. *J. Cell Biol.*, 2001;155(6), 893-898.
- Rottkamp, C.A., Raina, A.K., Zhu, X., Gaier, E., Bush, A.I., Atwood, C.S., Chevion, M., Perry, G. and Smith, M.A. Redox-active iron mediates amyloid- β toxicity. *Free Radic. Biol. Med.*, 2001;30, 447-450.
- Raina, A.K., Hochman, A., Zhu, X., Rottkamp, C.A., Nunomura, A., Siedlak, S.L., Boux, H., Castellani, R.J., Perry, G. and Smith, M.A. Abortive apoptosis in Alzheimer’s disease. *Acta Neuropathol.*, 2001;101, 305-310.

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