

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

NICU Medical Director
Assistant Professor, Division of Clinical Pediatrics

Specialty

Neonatology, Pediatrics, Neonatal-Perinatal Medicine

Department

Pediatrics

Division

Fetal Care and Treatment Center
Neonatology

Center/Program Affiliation

UC Davis Children's Hospital

Address/Phone

UC Davis Children's Hospital, 2315 Stockton Blvd. Sacramento, CA 95817
Phone: 800-282-3284

Additional Phone

Physician Referrals: 800-UCD-4-KIDS (800-823-4543

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., Molecular Biology, 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

Board Certifications

American Board of Pediatrics
American Board of Pediatrics, Neonatal-Perinatal Medicine
DEA License
NRP (Neonatal Resuscitation Program) Instructor

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State of California, Medical Physician and Surgeon

Professional Memberships

American Academy of Pediatrics
American Academy of Pediatrics - Perinatal Section

Honors and Awards

Golden Apple Resident Teaching Award, 2020
Sacramento Magazine's Top Doctor, Perinatal and Neonatal Medicine, 2018, 2019, 2020
Chief Fellow in Neonatology, UC San Francisco, 2014, 2015
Award for Excellence in Clinical Pediatrics, Case Western Reserve University School of Medicine, 2009
Alpha Omega Alpha Medical Honor Society, Case Western Reserve University School of Medicine, 2008, 2009

Select Recent Publications

Strobel KM, Romero T, Kramer K, Fernandez E, Rottkamp C, Uy C, Keller R, Moyer L, Poulain F, Kim JH, DeUgarte DA, Calkins KL; University of California Fetal Consortium. Growth Failure Prevalence in Neonates with Gastroschisis : A Statewide Cohort Study. J Pediatr. 2021 Jun;233: 112-118.e3. doi:10.1016/j.jpeds.2021.02.013. Epub 2021 Feb 26. PMID:33647253.

Huang W, Bhaduri A, Velmeshev D, Wang S, Wang L, Rottkamp CA, Alvarez-Buylla A, Rowitch DH, Kriegstein AR. Origins and Proliferative States of Human Oligodendrocyte Precursor Cells. Cell. 2020 Aug 6;182(3):594-608.e11. doi:10.1016/j.cell.2020.06.027. Epub 2020 Jul 16. PMID: 32679030.

DeUgarte DA, Calkins KL, Guner Y, Kim J, Kling K, Kramer K, Lee H, Lusk L, Saadai P, Uy C, Rottkamp C; University of California Fetal Consortium. Adherence to and outcomes of a University-Consortium gastroschisis pathway. J Pediatr Surg. 2020 Jan;55(1):45-48. doi:10.1016/j. jpedsurg.2019.09.048. Epub 2019 Oct 27. PMID:31704046.

Haynes SC, Dharmar M, Hill BC, Hoffman KR, Donohue LT, Kuhn-Riordon KM, Rottkamp CA, Vali P, Tancredi DJ, Romano PS, Steinhorn R, Marcin JP. The Impact of Telemedicine on Transfer Rates of Newborns at Rural Community Hospitals. Acad Pediatr. 2020 Jul;20(5):636-641. doi: 10.1016/j.acap.2020.02.013. Epub 2020 Feb 17. PMID:32081766.

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Sparks TN, Thao K, Lianoglou BR, Boe NM, Bruce KG, Datkhaeva I, Field NT, Fratto VM, Jolley J, Laurent LC, Mardy AH, Murphy AM, Ngan E, Rangwala N, Rottkamp CAM, Wilson L, Wu E, Uy CC, Valdez Lopez P, Norton ME; University of California Fetal–Maternal Consortium (UCfC). Nonimmune hydrops fetalis: identifying the underlying genetic etiology. Genet Med. 2019 Jun;21 (6):1339-1344. doi:10.1038/s41436-018-0352-6. Epub 2018 Nov 9. PMID:30410095.

Grover AS, Fiechtner L, Rottkamp CA, Chiang S, Dickman K, Ganapathi L, Greywoode B, Maru D, Mumanachit S, Moses J. Post Discharge Phone-Call Improves Asthma Care for Inner City Pediatric Patients. Academic Pediatrics. 2012;12(3):e14. doi:10.1016/j.acap.2012.03.035.

Rottkamp CA, Lobur KJ, Wladyka CL, Lucky AK, O'Gorman S. Pbx3 is required for normal locomotion and dorsal horn development. Dev Biol. 2008 Feb 1;314(1):23-39. doi:10.1016/j.ydbio.2007.10.046. Epub 2007 Nov 12. PMID:18155191.

Murray K, Calaora V, Rottkamp C, Guicherit O, Dubois-Dalcq M. Sonic hedgehog is a potent inducer of rat oligodendrocyte development from cortical precursors in vitro. Mol Cell Neurosci. 2002 Mar;19(3):320-32. doi:10.1006/mcne.2001.1079. PMID:11906206.

Raina AK, Hochman A, Zhu X, Rottkamp CA, Nunomura A, Siedlak SL, Boux H, Castellani RJ, Perry G, Smith MA. Abortive apoptosis in Alzheimer's disease. Acta Neuropathol. 2001 Apr;101 (4):305-10. doi:10.1007/s004010100378. PMID:11355301.

Franzen R, Tanner SL, Dashiell SM, Rottkamp CA, Hammer JA, Quarles RH. Microtubule-associated protein 1B: a neuronal binding partner for myelin-associated glycoprotein. J Cell Biol. 2001 Dec 10;155(6):893-8. doi:10.1083/jcb.200108137. Epub 2001 Dec 3. PMID:11733546.

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