

RICHARD CHARLES KRUEGER, JR., MD, PH.D

CURRICULUM VITAE (updated on 8/14/18)

PERSONAL HISTORY:

Richard Charles Krueger, Jr., MD, Ph.D
Neonatologist
Neuroscientist
Clinical Associate In Pediatrics, The University of Chicago
Attending, Pediatrics and Neonatology
5841 South Maryland Ave MC6060, Chicago, IL 60637
Office (773) 702-6210 Fax: (773) 702-0764

Personal Information:

Born Brooklyn, NY, USA

EDUCATION:

1975-1978 Cheltenham High School, Graduated with General Honors
 1982-1983 Laboratory Technician, University of Chicago (Dr. Nancy Schwartz)
 1983-1985; University of Chicago, M.D. with Honors, 6/8/90
 1989-1990 Pritzker School of Medicine
 1983-1988 University of Chicago, Ph.D. 12/9/88 in Biochemistry, Department of Biochemistry and Molecular Biology
 1990-1991 Pediatric Internship, 7/1/90 to 6/30/91, Children's Memorial Hospital, Northwestern University
 1991-1993 Pediatric Residency, 7/1/91 to 6/30/93, Children's Memorial Hospital, Northwestern University
 1993-1996 Neonatology Fellowship, 7/1/93 to 6/30/96, Wyler Children's Hospital, University of Chicago
 1996-1998 Post Doc in Neuroscience under Dr. Nancy Schwartz 7/1/96 to 6/30/98, University of Chicago

Licensure

Illinois Medical License
 Indiana Medical License
 Oklahoma Medical License
 Missouri Medical License
 Mississippi Medical License
 Iowa Medical License
 Kansas Medical License
 Washington State Medical Lic.
 California Medical License
 New Mexico Medical License

Board Certification

<u>NBME/USMLE</u>	Exam	Exam Date	Score Reported	Result
#33468174	Part I	6/11/85	7/23/85	Pass
	Part II	4/3/90	5/15/90	Pass
	Part III	3/6/91	4/17/91	Pass
Pediatrics	# 051368		Certification date 10/13/93; Recertification 10/26/00, Exp. 11/2007	
Neonatal-Perinatal Medicine	# 003228		Certification date 11//18/97 Recertification 10/27/06, Exp 11/2015 Recertification 9/24/15 -Exp 2025	
Basic Life Support Training for healthcare providers			Recertification date 2/25/16, Exp 2/28/18	
NRP Training			Recertification date 7/2/17, Exp 7/1/19	

PROFESSIONAL CLINICAL EXPERIENCE:

9/24/98 -1/26/99 Weiss Hospital Temporary Consulting Privileges, Neonatology
 4646 North Marine Drive, Chicago, IL 60640, 773-564-5216 FAX 773-564-5215
 11/17/95 - 1/17/97 Advocate/Trinity Hospital, (Neonatology) Active Associate Staff, Pediatrics
 2320 East 93rd Street Chicago, IL 60617 773-967-5805, fax 773-564-5215
 5/1/95 - 11/1/97 Ingall's Hospital, (Neonatology) Consulting Staff, Neonatology
 1 Ingall's Drive Harvey, IL 60426 708-915-6260, fax 708-915-3788
 4/28/98 - 1/29/99 MacNeal Hospital, (Neonatology) Active Associate Medical Staff, Pediatrics
 3249 South Oak Park Blvd Berwyn, IL 60402 708-783-3004, fax 708-783-3489
 10/6/98 - 3/2/99 Little Company of Mary Hospital, (Neonatology) Provisional Medical Staff, Pediatrics
 2800 West 95th Street Evergreen Park, IL 60805 708-229-5002, fax 708-422-2042

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- 9/18/98 - 1/1/99 University of Chicago Wyler Children's Hospital (now Comer's Children's Hospital),
Attending, Pediatrics and Neonatology
5841 South Maryland Ave MC1130, Chicago, IL 60637
773-702-3559, fax 773-834-0694
- 1/4/99 - 7/31/06 Cedars-Sinai Medical Center Ahmanson Pediatric Center, Staff Neonatologist,
(Neonatology) Active Attending, Pediatrics/Neonatology
8700 Beverly Blvd Los Angeles, CA 90048 310-423-6350, fax 310-423-0462
*During the 2 month transition from Cedars to UNM (8/06 to 10/06), I was a
visiting scientist in the Cedars-Sinai Research Institute. I began work at
UNM on 10/13/06. My clinical privileges were voluntarily ended on 7/31/06.*
- 11/17/06 - 11/17/08 The University of New Mexico Children's Hospital,
Active Medical Staff, Pediatrics/Neonatology,
MSC10 5590, 1 University of New Mexico Albuquerque, NM 87131
505-272-9441, fax 505-272-6055
*I began working at UNM on 10/13/06, and received clinical privileges on 11/17/06. I
worked as exclusively as a research scientist at UNM from 7/1/06 my contract expired on
12/31/08 and then continued on at UNM as a visiting scientist after 12/31/08, until
4/30/09, in order to facilitate transition to a new position which I was currently
pursuing. To clarify, although I was there at UNM from 10/13/06 to 4/30/09, I had
clinical privileges from 11/17/06 - 11/17/08. My clinical privileges were ended
voluntarily.*
- 5/1/09 - 4/5/10 Pursuing a permanent position
- 8/31/09 - 12/31/09 Kaiser Permanente Roseville Medical Center 1600 Eureka Road Roseville, CA 95661
Active Medical Staff, Pediatrics/Neonatology
NOTE: THIS WAS LOCUM TENES WORK
Nora Marshall, Sr. Credentials Consultant
Kaiser-Medical Staff Credentials Office
2025 Morse Ave.. (Bell Building) Sacramento, CA 95825
Phone (510) 625-3449 Fax (510) 625-4571 nora.marshall@kp.org
- 4/5/10 - 7/5/11 Renaissance Medical Group, Advocate Christ Hospital
4400 West 95th Street #250N Oak Lawn, IL 60453- 2654
Phone (708) 684-5722 fax (708) 684-1405
Attn: Catherine Hilburger, Secretary Catherine.Clancy@Advocatehealth.com
- 4/5/10 - 7/5/11 Palos Community Hospital, Active Medical Staff, Pediatrics/Neonatology
12251 South 80th Avenue Palos Heights, IL 60463 708-223-4000
Attn: Laura Murray, Medical Staff Coordinator
- 5/6/10 - 7/5/11 Advocate Christ Hospital, Active Medical Staff, Pediatrics/Neonatology
4400 West 95th Street Oak Lawn, IL 60453-2654 708-684-5509 fax 708-684-2058
Attn: Michele R. Robinson, Credentials Coordinator Medical Staff Services
Michele.Robinson@advocatehealth.com
- 4/5/10 - 7/5/11 Little Company of Mary Hospital Medical Staff, Pediatrics/Neonatology
2800 West 95th Street Evergreen Park, IL 60805 708-229-5681, fax 708-422-2042
Attn: Kimberly Mallo CPMSM, CPCS Supervisor, Kmallo@lcmh.org
- 10/18/10 - 9/30/2011 Advocate South Suburban Hospital
Attn: Cristy Gallegos, Supervisor, Medical Affairs
e-mail: cristy.gallegos@advocatehealth.com
17800 South Kedzie Ave Hazel Crest, IL 60429
Medical Staff Office Phone: (708) 213-3080 Fax: (708) 799-9283
- 1/26/12 - 6/25/12 Indiana University Health Arnett **(LOCUM TENES)**

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Cynthia Gamble e-mail: gambleC@iuhealth.org

IU Health Arnett Credentials Office

2550 Greenbush St Lafayette, IN 47904

Medical Staff Office Phone (765) 448-8770 Fax (765) 448-7647

4/11/12 – 8/28/13

Centerpoint Medical Center (LOCUM TENES)

Connie Johnson, Coordinator e-mail: connie.johnson@hcamidwest.com

Centerpoint Medical Center Credentials Office

19600 E 39th Street, Independence, MO 64057

Phone (816) 698-7000 Fax (816) 698-7003

2/25/13 – 6/12/13

Carle Clinic Hospital, Pediatrics/Neonatology (LOCUM TENES)

102 East Main Street, Urbana, IL 61801 (217) 326-2546, fax (217) 383-6799

Attn: Rhoda Garmon, Supervisor, Rhoda.Garmon@carle.com

8/8/11 – 7/1/17

Memorial Hospital of Carbondale (LOCUM TENES)

Attn: Tammy Wieseman, Office Coordinator, Medical Staff Office

e-mail: tammy.wieseman@sih.net

405 West Jackson Street PO Box 10000 Carbondale, IL 62902-9000

Medical Staff Services Phone: (618) 549-0721 ext 65729 Fax: (618) 351-4849

2/23/12 – present

Oklahoma State University Medical Center (LOCUM TENES)

Shannon Knight, CPMSM, CPCS, Medical Staff Coordinator, e-mail:

sknight@osumc.net

Oklahoma State University Medical Center Credentials Office

744 West 9th Street, Tulsa, Ok 74127-9050

Phone (918) 599-5924 Fax (918) 599-5371

4/25/12 – present

Gilmore Memorial Regional Medical Center (LOCUM TENES)

Misty Oswald, Coordinator e-mail: misty.oswalt@hma.com

Gilmore Memorial Regional Medical Center Credentials Office

1105 Earl Frye Blvd Amory, Mississippi 38821

Phone (662) 256-6259 Fax (662) 256-6007

6/18/12 – present

University of Chicago Comer Children's Hospital

Tracie DeMack, Coordinator

e-mail: tdemack@peds.bsd.uchicago.edu

University of Chicago Comer Children's Hosp. Credentials Office

K1603, 5721 S. Maryland Ave. MC 8000, Chicago, IL 60637

Phone (773) 834-8258 Fax (773) 834-8260

6/18/12 – present

Community Hospital of Munster

901 MacArthur Blvd, Munster, IN 46321

Kimberly Young, Coordinator e-mail: ksyoung@comhs.org

Community Hospital of Munster Medical Staff Services

901 MacArthur Blvd, Munster, IN 46321

Phone (219) 836-4518 Fax (219) 836-4058

From 8/28/12 to present (Locums from 6/18/12, then Temporary from 7/13/12)

- 3/5/13 – present Little Company of Mary Hospital Medical Staff, Pediatrics/Neonatology
2800 West 95th Street Evergreen Park, IL 60805 708-229-5681, fax 708-422-2042
Attn: Kimberly Mallo CPMSM, CPCS Supervisor, Kmallo@lcmh.org
- 10/7/13 – present Indiana University Health Arnett, Pediatrics/Neonatology (LOCUM TENES)
2550 Greenbush St Lafayette, IN 47904 Phone (765) 448-8770 Fax (765) 448-7647
Attn: Cynthia Gamble, Coordinator e-mail: gambleC@iuhealth.org
- 1/10/14 – 8/2015 MacNeal Hospital, Pediatrics/Neonatology
3249 South Oak Park Blvd Berwyn IL 60402 (708) 783-3005 FAX (708) 783-2188
Attn: Betty Klikas, CPMSM, CPCS Manager, Medical Staff Services & CME
e-mail: bklikas@MACNEAL.COM
- 6/18/16 – present Riverside Medical Center, Pediatrics/Neonatology
350 N. Wall Street - Kankakee, IL 60901
(815) 935-7256 ext. 4935 FAX (815) 936-6971
Attn: Alexandria Adams, Senior Medical Staff Coordinator
e-mail: alexandria-adams@riversidehealthcare.net
- 4/4/17 – present White Memorial Medical Center, Pediatrics/Neonatology (LOCUM TENES)
1720 Cesar E. Chavez Ave Los Angeles CA 90033
(323) 260-5785 FAX (323) 881-8627
Attn: Regelin P. Castillo, Medical Staff Services
e-mail: CastilRP@ah.org
- 9/19/17 – present Mercy Medical Center/Dignity Health, Pediatrics/Neonatology (LOCUM TENES)
2175 Rosaline Ave. Redding, CA 96001
Medical Staff Office
Phone: (530) 225-6128
Fax: (530) 242-5209
Email: jodi.pursell@DignityHealth.org
- 1/1/18 – present Covenant Medical Center, Pediatrics/Neonatology (LOCUM TENES)
3421 W 9th Street Waterloo, IA 52411
Mercy Credentialing and Data Center
Phone: (417) 841-5104
Fax: (417) 820-3107
Email: Micah.Rudd@Mercy.net
- 3/26/17- present UnityPoint Health – St. Luke's (LOCUM TENES)
2720 Stone Park Blvd. Sioux City, IA 51104
Medical Staff Office Attn: Rhonda Meyers
(712) 279-3203 office (712) 279-4995 fax e-mail: Rhonda.meyers@unitypoint.org

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5/14/18 – present Stormont-Vail Medical Center (LOCUM TENES)

1500 SW 10th Ave., Topeka, KS 66604

785-354-6337, F: 785-354-6734

Attn: Tracey Konrade, Credentials Specialist Medical Staff Services

e-mail: tkonrade@stormontvail.org**ACADEMIC APPOINTMENTS**

9/18/98 - 12/31/99 Instructor of Pediatrics, University of Chicago
 1/1/99 - 6/30/05 Assistant Professor of Pediatrics, David Geffen School of Medicine at UCLA
 7/1/05 - 7/31/06 Associate Professor of Pediatrics, David Geffen School of Medicine at UCLA
 8/1/06 - 9/30/06 Visiting Scientist, Cedars-Sinai Research Institute, Cedars-Sinai Medical Center
 10/13/06-6/30/08 Associate Professor of Pediatrics, The University of New Mexico
 7/31/06-12/31/08 Associate Research Professor of Pediatrics, The University of New Mexico
 1/1/09 - 4/30/09 Visiting Associate Professor, The University of New Mexico
 7/1/12 - present Clinical Associate in Pediatrics, University of Chicago

PROFESSIONAL ACTIVITIES:Committee Service

1999-2000 Fetal-Infant Mortality Review Project Community Advisory Group, County of Los Angeles - Department of Health Services
 1999 to 2003 Pediatric Residency Review Committee, Department of Pediatrics
 2000 to 2003 Pediatric Grand Rounds Committee, Cedars-Sinai Medical Center
 2000 to 2002 Norwood Procedure Outcome Quality Action Team
 2002 to 2005 Neonatology Education Committee
 2002 to 2006 Chair, Neonatology Fellowship Committee

Professional Associations and Scholarly Societies

1999 California Association of Neonatologists
 1999 Fellow, American Academy of Pediatrics (Members of the sections on Perinatal Medicine and Neurology)
 1999 Member, Society of Neuroscience
 2000 Member, Western Society for Pediatrics Research
 2000 Member, Society for Pediatrics Research
 2000 Associate Member, American Association Neurological Surgeons

Invited Reviewer for Peer-Review Journals/Granting Organizations

2001 Ad hoc for Pediatric Research
 2004 Ad hoc for Journal of Neuroscience Research
 2004 Ad hoc for Medical Research Council (MRC), London (Grant Proposal Peer Review)
 2001 Ad hoc for Pediatrics

HONORS AND SPECIAL AWARDS:

1978 Graduate High School with Honors
 1982 Graduate College with Honors in the Biological Sciences
 1985-1990 Awarded Pediatrics Training Grant [PHS Fellowship 5 T32 HD07009-15]
 1990 Awarded Dr. Harold Lamport Research Award for the Best Thesis in Biomedical Research
 1990 Graduated Medical School with Honors
 1994 First Prize in Basic Science in the Fifth Annual University of Chicago Postgraduate Research Symposium
 2003 Awarded NIH Pediatric Research Loan Repayment, renewed in 2005 and 2006
 2004 Awarded WSPR Travel award for abstract "Effects of transforming growth factor- β 2 (TGF- β 2) on neural precursor fate"

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RESEARCH GRANTS AND FELLOWSHIPS RECEIVED:

1985-1990 Pediatrics Training Grant [PHS Fellowship 5 T32 HD07009-15]
 1993 Children's Research Foundation grant (3,000)
 1994 Wyeth's Pediatrics Research grant (3,000)
 1994 A second Children's Research Foundation grant (3,000)
 1995 A second Wyeth's Pediatrics Research grant (3,000)
 1995 A third Children's Research Foundation grant (3,000)
 1996 A fourth Children's Research Foundation grant (3,000)
 1997 A fifth Children's Research Foundation grant (3,000)
 1998 Brain Research Foundation grant (15,000)
 Principal Investigator - David Frim; Co-PI Richard Krueger
 1998 A sixth Children's Research Foundation grant (3,000)
 2000 Ahmanson Pediatric Endowment Grant (4/1/00 to 11/30/00)
 A yeast two-hybrid approach to cloning glycosyltransferases \$8,000DC
 2002 UCLA Child Health Research Career Development Award (2/15/012 to 11/30/02)
 Hydrocephalus Alters CNS Development Via Proteoglycan Expression \$100,000DC [Subcontract of
 5K12HD034610-06]
 2002 Howard Hughes Supplemental Award (12/1/012 to 11/30/02)
 Hydrocephalus Alters CNS Development Via Proteoglycan Expression \$25,000DC
 1999 to 2004 Research supported by Harry & Ruth Roman Chair in Neonatology and Fashion Industry Guild >\$650,000
 3/05-2/06 CLINICAL RESEARCH FEASIBILITY FUNDS (CReFF) PROGRAM (Harbor UCLA - Cedars GCRC [NIH M01-
 RR00425] Gail Anderson PI @Harbor-UCLA / Schlomo Melmed PI @CSMC) - CSF and CSF Cell Repository:
 Hydrocephalus alters neural progenitor fate through TGF- 2: implications for white matter injury \$20,000 TDC
 7/05-7/06 CSRI Seed Grant for Stem Cell Research - Cultivating neural stem cells from the cerebrospinal fluid: Implications
 for healing neonatal white matter injury \$30,000 TDC
 6/2004-11/08 March of Dimes -6-FY2004-1006 "Hydrocephalus Alters Neural Precursor Fate by Modulating the Extracellular
 Matrix: Implications for Preventing and Treating White Matter Injury" \$224,400 TC (*current dates include an
 approved no cost extension*)
 12/2006 - 11/08 NIH Pediatric Research Loan Repayment Program Renewal Application
 12/07-11/08 University of New Mexico Department of Pediatric Research Grant "Aggrecan: a newly recognized player in
 neural progenitor developmental biology" \$15,000 DC

Previous Research Collaborators

James Sutcliffe, Vanderbilt University
 Yi Sun, UCLA
 Rick Matthews, SUNY Syracuse, NY
 Bennett Leventhal, New York University, NYC, NY
 Edward Cook, University of Illinois, Chicago, IL

Research Interests

Developmental Biology of the Extracellular Matrix in the Brain
 Biochemistry and Molecular Biology of Chondroitin Sulfate
 Proteoglycans
 Neurodevelopment and Neonatal Brain Injury
 Neonatal Hydrocephalus
 Neural Progenitor Biology
 Interactions between aggrecan and NOTCH signaling
 Autism

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TEACHING, LECTURES AND PRESENTATIONS:

- Teaching Assistant, Calculus (College Students), Department of Mathematics
University of Chicago, 1979 - 1982
- Teaching Assistant, Core Biochemistry Class (College Students), Department of Biological Sciences
University of Chicago, 1983
- Topics in Neonatology (Medical students, Pediatric and Family Practice Residents, Neonatology
Fellows), Department of Pediatrics, University of Chicago, 1993 to 1998
- Invited Speaker: International Workshop on Tocolytic Magnesium: Biologic Plausibility for
Fetotoxicity, University of Chicago, 1998
- Invited Speaker: Cranio-Facial Clinic Lecture, Cedars-Sinai Medical Center, 1999
- Invited Speaker: Neonatology Research Seminar Series, Cedars-Sinai Medical Center, 1999-2004
- Invited Speaker: Neonatology Research Seminar Series, Harbor-UCLA Medical Center, 2000
- Invited Speaker: Pediatrics Grand Rounds, Cedars-Sinai Medical Center, 1999-2004
- Invited Speaker: Pediatrics Case Conference, Cedars-Sinai Medical Center, 1999-2004
- Invited Speaker: OB/Gyn Grand Rounds, Cedars-Sinai Medical Center, 2003
- Chair, Neuroscience Session, Western Society of Pediatric Research Meeting, Carmel, CA, 2/2000
- Invited Speaker: Research Seminar (Dr. Susan Hockfield's Lab Group), Yale University 11/01
- Invited Speaker: 2002 Gordon conference "Magnesium in Biochemical Processes and Medicine".
Talk entitled "Proliferation and Apoptosis of Cultured Neuronal cells
Exposed to Increased Extracellular Magnesium: Possible Mechanism of
Action" Ventura, California 2/2002
- Invited Singer/Performer: Performed "The Ballad of Mary O'Connor" Brave New World:
American Theater's Response to 9/11, Town Hall, New York City 9/10/02
- Co-Chair, Late Breaker Session, Society of Pediatric Research Meeting, Seattle, WA, 5/2003
- Invited Speaker: Research Seminar Kennedy Center University of Chicago 5/19/03
- Invited Speaker: Neonatology/Perinatal Research Group Northwestern University (Evanston
Hospital) Invited by Sid Tan 5/21/03
- Invited Speaker: UCLA Neural Repair Seminar invited by Dr. S. Thomas Chermak 10/3/03
- Invited Speaker: CHLA Neonatal Research Seminar invited by Dr. Istvan Seri 10/14/03
- Invited Speaker: Academic Day for Neonatologists of Southern California (ANOSC meeting)
(CHOC) 10/30/03
- Invited Speaker: UCLA Stem Cell Seminar organized by Dr. Harley Kornblum 1/3/04
- Invited Speaker: CSMC Research Grand Rounds 3/19/04
- Invited Speaker: UCLA Stem Cell Seminar organized by Dr. Harley Kornblum 1/14/05
- Invited Speaker: Conference for Neonatologists and Fellows at UCSD invited by Neil Finer 7/27/05
- Invited Speaker: CSMC Pediatrics Grand Rounds 8/25/05
- Invited Speaker: Jean De Vellis Lab Group at UCLA 10/4/05
- Invited Speaker: Yi Sun Lab Group at UCLA 10/20/05
- Session Moderator: Academic Day for Neonatologists of Southern California (ANOSC meeting)
(CHOC) 11/2/05
- Invited Speaker: UCLA Stem Cell Seminar organized by Dr. Harley Kornblum 2/10/06
- Invited Speaker: Basic Neuroscience Research Seminar Department of Pediatrics at UCSF
Invited by Dr. Donna Ferriero 2/14/06
- Invited Speaker: Yi Sun Lab Group at UCLA 2/21/06
- Invited Speaker: CSMC Research Grand Rounds 3/17/06
- Invited lectures since coming to UNM***
- Invited Speaker: Neuroscience Seminar Series, 5/06 Invited by Dan Savage and Kristi Watterberg
- Invited Speaker: Neuroscience Journal Club at UNM 6/15/07
- Invited Speaker: Neuroscience Seminar Series, "Extracellular matrix regulation of self-renewal and
differentiation of neural progenitors: Implications for novel diagnostic and
therapeutic interventions of human disease" 2/21/08 Invited by Donald
Partridge
- Invited Speaker: Signature Program for Child Health Research 3x5x5 Event "Aggrecan Down-
regulates NOTCH Signaling in the Brain: Implications for Human Disease".
2/21/08 Invited by Sally Davis
- Invited Speaker: Pediatric Research Week 2008 "Loss of Brain Aggrecan Leads to Increased Notch
Signaling in Neural Progenitors: Consequences to Brain Development and
Human Disease". 4/16/08 Invited by Sally Davis
- Invited Speaker: University of Connecticut Children's Hospital "The developing brain is a moving
target: the cross talk among brain proteoglycans and neural progenitors, and its consequences to human
disease." 7/18/08 Invited by Paul Dworkin
- Invited Speaker: Stonybrook University "The developing brain is a moving
target: brain aggrecan, notch, the germinal matrix, and human disease."
10/20/08 Invited by Margaret McGovern
- Invited Speaker: University of Illinois/Carle Clinic "The developing brain is a moving target: cross

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talk among progenitors via aggrecan and notch and implications for human disease." Research Seminar 1/22/09 Invited by Stephanie Beever

Invited Speaker: Neonatology Associates, Ltd. Phoenix AZ "The Developing Brain is a Moving Target: The Cross Talk between Old and New Ideas Regarding Neonatal Hydrocephalus." Research Seminar 6/29/09 Invited by Debra Tom

Invited Speaker: University of Illinois/Chicago Circle Campus "The Developing Brain is a Moving Target: The Cross Talk between Old and New Ideas Regarding Neonatal Hydrocephalus." Research Seminar 1/14/09 Invited by Usha Raj

Invited Speaker: University of Chicago Department of Pediatrics "The Developing Brain is a Moving Target: The Cross Talk between Old and New Ideas Regarding Neonatal Hydrocephalus." Pediatric Grand Rounds 1/14/12 Invited by Kwang-Sun Lee

Other Teaching Activities:

Organizer of Neonatology Research Seminar Series Cedars-Sinai Medical Center, 1999-2006

Organizer of Neonatology Clinical Research Conference Series Cedars-Sinai Medical Center, 2002-06

Co-Organizer of Neonatal Ethics Conference Series Cedars-Sinai Medical Center, 2000 to present

Program Director of Silbert Lectureship: *Ethics in Perinatology: The Next Millenium* January 14-15, 2000, Cedars-Sinai Medical Center

Mentor to Senior Resident in Clinical Research Project (Medela Bilibed Trial), Cedars-Sinai Medical Center, 1999 to 2003

Mentor to Perinatal Fellow in Clinical Research Project (Proteoglycan CSF Study), Cedars-Sinai Medical Center, 1999 to 2003

Co-Organizer with Dr. Charles Neisen of Developmental Neuroscience Journal Club, Cedars-Sinai Medical Center, 1999

Mentor to Senior Residents Research, 2001 to 2005

Primary liason between the Pediatric residency and the Neonatology division at Cedars-Sinai

Active Participant in Pediatric Resident Morning Report, ~once every other week, 1999 to 2002

Advisor to Four Pediatric Residents, 2000 to 2005

Topics in Neonatology Nursing Lectures (For Nurses and RTs in the NICU) Cedars-Sinai Medical Center -- approx 10 lectures/year, 1999 to 2003

Taught Second Year Medical Students pediatric component of Physical Diagnosis Class 2001 to 2004

Participated in orienting Medical Students to the well baby nursery as part of their third year clerkship in pediatrics 2001 to 2005

Primary scientific mentor for three neonatology fellows in basic and clinical research, 2000 -2003

Primary scientific mentor for UCLA medical student in basic research (Short Term Training Program) Summer 2003

Primary scientific mentor for Senior Pediatric Resident in basic research, September -October 2004

Teaching Activities since coming to UNM

Primary scientific mentor for Sandia Prep High School student in basic research, Summer 2007

Monthly Participant in Pediatric Resident Morning Report, 2007-ongoing

Topics in Neonatology Nursing Lectures (For newer neonatal nurses) UNM, 2007

Topics in Neonatology Nursing Lectures (For newer neonatal nurses) UNM, 2008

Multiple Lectures at Neonatal Perinatal Rounds Tuesday Mornings UNM 2006-present

Multiple Lectures at Neonatal Fellowship Core Curriculum UNM 2006-present

Taught Medical Students pediatric component of Physical Diagnosis Class at UNM 2007

Given ~1 lecture per week when on clinical service on clinical topic to Residents, NNPs, and fellows

OTHER PROFESSIONAL ACTIVITIES

1995-1999 Created and maintained a networked, multi-platform relational database system which permitted prospective data collection on all patients that are admitted to the University of Chicago NICU. Used to create admission notes, daily notes, and discharge summaries for all NICU patients.

1999 - 2001 Coordinator Neonatology Fellow Recruitment Effort, Division of Neonatology Cedars-Sinai Medical Center
2001 Interim Program Director, Neonatal-Perinatal Fellowship Program, Division of Neonatology Cedars-Sinai Medical Center

2002 - 2006 Fellowship Director, Neonatal-Perinatal Fellowship Program, Division of Neonatology Cedars-Sinai Medical Center

2001 - 2006 Coordinator, Neonatal Core Curriculum for Pediatric Residency and Neonatal-Perinatal Fellowship Program, Division of Neonatology Cedars-Sinai Medical Center

BIBLIOGRAPHYPeer Reviewed Publications:

1. Olsen, C. A., **Krueger, R.**, and Schwartz, N. B. (1985) Deglycosylation of chondroitin sulfate proteoglycan by hydrogen fluoride in pyridine. *Anal. Biochem.* **146**, 232-237.
2. Schwartz, N. B., Habib, G., Campbell, S., D'Elvyn, D., Gartner, M., **Krueger, R.**, Olson, C., and Philipson, L. (1985) Synthesis and structure of proteoglycan core protein. *Federation Proc.* **44**, 369-372.
3. **Krueger, R. C.**, and Schwartz, N. B. (1987) An improved method of sequential Alcian Blue and ammoniacal silver staining of chondroitin sulfate proteoglycan in polyacrylamide gels. *Anal. Biochem.* **167**, 295-300.
4. Campbell, S. C., **Krueger, R. C.**, and Schwartz, N. B. (1990) Deglycosylation of chondroitin sulfate proteoglycan and derived peptides. *Biochem. J.* **29**, 907-914.
5. **Krueger, R. C.**, Fields, T. A., Hildreth, J. R., and Schwartz, N. B. (1990) Chick cartilage chondroitin sulfate proteoglycan core protein: I, Generation and characterization of peptides and specificity for glycosaminoglycan attachment. *J. Biol. Chem.* **265**, 12075-12087.
6. **Krueger, R.**, Fields, T. A., Mensch, J. R., and Schwartz, N. B. (1990) Chick cartilage chondroitin sulfate proteoglycan core protein: II, Nucleotide sequence of cDNA clone and localization of S103L epitope. *J. Biol. Chem.* **265**, 12088-12097.
7. **Krueger, R.**, Hennig, A. K., and Schwartz, N. B. (1992) Two immunologically and developmentally distinct chondroitin sulfate proteoglycans in embryonic chick brain. *J. Biol. Chem.* **267**, 12149-12161.
8. Hennig, A. K., **Krueger, R.**, Mangoura, D., and Schwartz, N. B. (1992) Chondroitin sulfate proteoglycan expression during neuronal development. *Cell and Molecular Biol.* **38**, 585-593.
9. Juul, S. E. , **Krueger, R. C.**, Scofield, L., Hershenson, M. B., and Schwartz, N. B. (1995). Hyperoxia alone causes changes in lung proteoglycans and hyaluronan in neonatal rat pups. *Am. J. Respir. Cell Molecular Biol.* **13**, 629-638.

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21. Coskun, V., Wu, H., Bianchi, B., Tsao, S., Kim, K., Zhao, J., Biancotti, J. C., Hutnick, L., **Krueger, Jr., R. C.**, Fan, G., de Vellis, J., and Sun, Y. E. (2008) CD133+ neural stem cells in the ependyma of mammalian postnatal forebrain. *PNAS* **105** (3), 1026-1031.

Peer Reviewed Publications (In Preparation):

22. Zandian, M., Danielpour, M., Treolar, A., and **Krueger, Jr., R. C.** (2008) Molecular and biochemical characterization of aggrecan gene family chondroitin sulfate proteoglycan peptides in cerebrospinal fluid of preterm human infants with hydrocephalus: Implications for neural stem cell biology. *Goal is JBC*
23. Treolar, A., and **Krueger, Jr., R. C.** (2008) Brain aggrecan is a potent inhibitor of NOTCH signaling via the EGF domain: abnormal phenotypes in the neural progenitor pool in vitro and the brain in vivo in the *cmd* $-/-$ mouse brain. *Goal is JBC*

Chapters, Reviews and Symposium Articles:

1. Schwartz, N. B., Hennig, A. K., **Krueger, R.**, Krzystilik, M., Li, H., and Mangoura, D. Developmental expression of S103L cross-reacting proteoglycans in embryonic chick. (1993) In Fallon, J. F., Goetnick, P. F., Kelley, R. O., and Stocum, D. L. (eds) : "Limb Development and Regeneration" Wiley-Liss, New York. pp. 505-514.
2. Schwartz, N. B., Domowicz, M., **Krueger, R. C.**, Li, H., and Mangoura, D. (1996) Brain aggrecan (review). *Perspectives on Dev. Neurobiol.* **3**, 291-306.

3. Alkalay, A.L., Galvis, S., Ferry, D.A., **Krueger, Jr. R. C** Hemodynamics and Anemia in Premature Infants: How Low is Too Low? (2001) In Cabero, L. and Carrera, J.M. (eds) : "Perinatology 2001" Monduzzi Editore, Bologna, Italy. pp. 743-747.
4. Chow, L., Zandian, M., Harry Matundan, H., and **Krueger, Jr. R. C** Transforming Growth Factor- β 2 and Chondroitin Sulfate Proteoglycan in Human CSF, but not Transforming Growth Factor- β 1, Correlate with Hydrocephalus in Infants (2001) In Cabero, L. and Carrera, J.M. (eds) : "Perinatology 2001" Monduzzi Editore, Bologna, Italy. pp. 293-298.
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Other Publications

1. **Krueger, Jr. R. C.** (1990) Investigations of the Structure and Function of Chondroitin Sulfate Proteoglycan in Embryonic Chick Brain and Cartilage *Doctoral Thesis* University of Chicago
2. **Krueger, Jr. R. C.** (1998) Personal Overachievement (music CD) Rockin'K Music 1998
3. **Krueger, Jr. R. C.** (1999) The Hepatitis B Vaccine: Is it safe for my baby? *Good Beginnings Newsletter* 2(2), 3
4. **Krueger, Jr. R. C.** (2003) The Troth Sessions (music CD) Rockin'K Music 2003

Abstracts:

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2. **Krueger, R. C.,** Campbell, S. C., and Schwartz, N. B. (1986) Isolation of peptides derived from carbohydrate-rich regions of chondroitin sulfate proteoglycans. *Abstracts from Soc. Complex Carbohydrates Annual Meeting*. **1**, 20.
3. **Krueger, R.,** and Schwartz, N. B. (1987) Isolation of peptides from three functional domains of chick chondroitin sulfate proteoglycan. *Proc. IX Internatl. Symp. Glycoconjugates*. B54.
4. **Krueger, R.,** and Schwartz, N. B. (1988) Investigation of a large chondroitin sulfate proteoglycan from embryonic chick brain. *Abstracts from IV Internatl. Congress Cell Biol.* 197.
5. Kearns, A., **Krueger, R.,** Mensch, J., and Schwartz, N. B. (1989) Identification of S103L epitope in proteoglycan core protein. *Proc. Amer. Soc. Biochem. Molecular Biol. and Amer. Soc. Cell Biol.* 897
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