



How do we understand the effects of glycemic extremes (hyperglycemia and glucose deprivation) on brain function, brain glucose metabolism and neurodevelopment?

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**ICTS Research Forum-
Child Health**
“Effects of Childhood
Malnutrition on Brain
Development” *(July 2015)

ICTS JIT award on hypoglycemic effects
on cardiac function and physiology with
CIRCL (Cardiovascular Imaging and Clinical
Research Core) (Mar 2017)

Clinical Research Training Center
2007-2011

ICTS Pilot award on HAAF and
hypoglycemia in T1DM

**Children’s Discovery Institute
award *** (Feb 2016)



Postdoctoral Mentored Training Program
in Clinical Investigation (MTPCI)
**The Mentored Training
Program in Clinical
Investigation (MTPCI)**
provides multidisciplinary
clinical and translational
research training to promote
career development of
junior faculty and post-
doctoral fellows. (2007-
2008)

KL2 Career Development Awards
**The KL2 Career
Development Award
Program**
provides
multidisciplinary training
in CTS-research to
promote the career
development of future
clinical investigators
(2008-2011)



Diabetes Care, 2012 Dec;35(12):2570-4. doi: 10.2337/dci12-0297. Epub 2012 Aug 13.
Thalamic activation during slightly subphysiological glycemia in humans.
Arbeláez AM¹, Rutlin JR, Hershey T, Powers WJ, Videen TO, Cryer PE.

NIH National Institute of
Diabetes and Digestive
and Kidney Diseases
1R01DK101440-01A1
“Hierarchical Brain and
Physiological Responses to
Hypoglycemia and HAAF in
T1DM”
Arbelaez, PI

**Appointment as Associate
Director of TL1 Predoctoral
Interdisciplinary Research
Training Program
(ICTS TL1 grant)**

**Appointment as Interim
Division Chief**
Pediatric Endocrinology and
Diabetes Division

**Instructor
(Sept 2007)**

**Asst. Professor
(July 2008)**

Robert Wood Johnson
Foundation
**Harold Amos Medical
Faculty Development
(2010-2014)**

**Promotion to Associate Professor
with tenure
(July 2015)**

