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## TITLE: THE RASOPATHIES: GENETICS SYNDROMES OF THE RAS/MAPK PATHWAY

### PEDIATRICS PRESENTS Genetics Grand Rounds

Friday  
January 17, 2014

Time:  
1:00 – 2:00 pm

LOCATION:  
UC DAVIS MIND INSTITUTE BOARDROOM  
2825 50<sup>TH</sup> STREET  
SACRAMENTO, CA 95817

TARGET AUDIENCE:  
FACULTY & STAFF

KEYNOTE SPEAKER:  
**Kate Rauen, M.D., Ph.D**  
Professor, Dept. of Pediatrics  
Chief, Division of Genomic Medicine

Sponsored by: UC Davis Health System  
Office of Continuing Medical Education &  
Department of Pediatrics

#### OBJECTIVES:

- 1) UNDERSTAND THAT THE RAS/MITOGEN-ACTIVATED PROTEIN KINASE (MAPK) PATHWAY PLAYS A VITAL ROLE IN DEVELOPMENT AND IS ACTIVATED BY EXTRACELLULAR INPUT IN THE FORM OF GROWTH FACTORS. THE RAS/MAPK PATHWAY HAS BEEN WELL-STUDIED IN CANCER.
- 2) UNDERSTAND THAT THE RASOPATHIES ARE A CLINICALLY DEFINED GROUP OF MEDICAL GENETICS SYNDROMES THAT ARE CAUSED BY GERMLINE MUTATIONS IN GENES THAT ENCODE COMPONENTS, OR REGULATORS OF THE RAS/MAPK PATHWAY.
- 3) UNDERSTAND THAT THE RASOPATHIES ARE ONE OF THE LARGEST RECOGNIZABLE PATTERN OF MALFORMATION SYNDROMES KNOWN, AFFECTING APPROXIMATELY 1 IN 1,000 INDIVIDUALS.

#### ACCREDITATION:

The University of California, Davis, Health System is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

**Physician Credit:** University of California, Davis Health System designates this live activity for a maximum of **X AMA PRA Category 1 Credit(s)**<sup>™</sup>. Physicians should only claim credit commensurate with the extent of their participation in the activity. **NCCPA:** The National Commission on Certification of Physician Assistants states that AMA accredited Category 1 courses are acceptable for continuing medical education requirements for re-certification.

**Nurse Credit:** For the purpose of recertification, the American Nurses Credentialing center accepts **AMA PRA Category 1 Credit(s)**<sup>™</sup> issued by organizations accredited by the ACCME. For the purpose of re-licensure, the California Board of Registered Nursing accepts **AMA PRA Category 1 Credit(s)**<sup>™</sup> (report up to XX hours of credit and fill in "CME Category 1" for the provider number).

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