



2022 American Pediatric Society Election Candidate

Position: Council Member

Candidate: Flaura Koplín Winston, MD, PhD

Candidate Institution(s): Perelman School of Medicine, University of Pennsylvania
Children's Hospital of Philadelphia

Candidate Subspecialty: Injury Prevention

Personal Interest Statement for an American Pediatric Society Council Position:

My career demonstrates that academic physicians can be both world-class scientists and impactful, evidence-based advocates for child health and safety. I discovered novel injury mechanisms and their countermeasures and led diverse groups that advanced regulations, laws, programs and products that reduced crashes (by 30%), saved thousands of lives and enhanced recovery from traffic injury. I will bring this experience to my role on APS Council by guiding strategic priorities for future programs that mentor and train leaders in pediatric academic entrepreneurship and advocacy. I believe that it is crucial for pediatricians to be prepared to innovate and translate these innovations into new devices and treatments will be both acceptable and effective. In my career, I was that pediatrician at the table - addressing the leading cause of death in children. Rigorous science was my starting point but partnership allowed my discoveries to be realized into life-saving technology. My background in medicine, engineering, and public health allowed me to conduct research at the interface of child and adolescent health, injury, technology, and behavior while also spanning the academic-government-industry boundary, building and leading effective multi-stakeholder healthcare and prevention teams. My “research-to-action-to-impact” approach to academic entrepreneurship has led to new patents, products, programs, policies, and laws, as well as a spin-out technology company called Diagnostic Driving, Inc. In order to share this expertise with the new movement in academic clinical entrepreneurs, I released a free e-textbook, *Academic Entrepreneurship for Medical and Health Scientists* (<http://repository.upenn.edu/ace/>) and an associated online community (<https://academicentrepreneurship.pubpub.org/>), which has exceeded 43,000 downloads from 154 countries and 2612 institutions, including 111 government agencies.

Flaura Koplin Winston, MD, PhD

Professor of Pediatrics, Perelman School of Medicine, University of Pennsylvania
Distinguished Chair in Department of Pediatrics, Children’s Hospital of Philadelphia

Flaura Koplin Winston, MD, PhD

Medical education and dates

BSE, University of Pennsylvania (Bioengineering), 1983
MSE, University of Pennsylvania (Bioengineering), 1984
PhD, University of Pennsylvania (Bioengineering), 1989
MD, University of Pennsylvania, 1990

House staff training and dates

Training in pediatrics at Children's Hospital of Philadelphia
Jan 1991 – June 1994

Fellowship positions and dates

Fellowship, University of Pennsylvania (Bioengineering), 1990
Fellowship, Johns Hopkins University (Injury Prevention/Public Health), July 1994 – June 1995

Faculty positions

Instructor, Department of Pediatrics, School of Medicine, University of Pennsylvania, 1994-1995
Assistant Professor of Pediatrics, Children's Hospital of Philadelphia, University of Pennsylvania, 1995-1998
Associate Professor of Pediatrics (with tenure), University of Pennsylvania, 2004-2009
Professor of Pediatrics (with tenure) in Standing Faculty, University of Pennsylvania, 2010-present
Lead for the Innovation Ecosystem and Chair, Scientific Advisory Committee for Innovation and Distinguished Chair in the Department of Pediatrics at The Children's Hospital of Philadelphia, 2015-present

Current positions

Distinguished Chair in the Department of Pediatrics at the Children's Hospital of Philadelphia
Professor of Pediatrics, University of Pennsylvania Perelman School of Medicine
Founder/Scientific Director, Center for Injury Research and Prevention
Director, National Science Foundation Center for Child Injury and Prevention Studies (CChIPS)
Director, Innovation Ecosystem, Children's Hospital of Philadelphia

Society memberships

Johns Hopkins Society of Scholars, 2011-present
Fellow, American Institute of Medical and Biological Engineers, 2011-present
Scholar, Fulbright Specialist Roster, 2012-2014
Member, American Pediatric Society, 2014-present
Member, National Academy of Medicine, 2017-present
Honorary Fellow, Royal College of Physicians of Ireland, 2019-present

Previous and current service and involvement in the activities of the American Pediatric Society

Member since 2014
Nominated members who were accepted to the APS
Attended annual meetings

Areas of research interest

Bioengineering

Engineering

Innovation

Primary Care

Traffic Injury

Traumatic Stress

Young Drivers

Prevention

Entrepreneurship

Behavioral Science

Surveillance

Neuroscience