DANIEL ALEXANDER KING, M.D. PH.D

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EDUCATION

- Ph.D. Biological Sciences, University of Cambridge 2015
- M.D. Wayne State University 2012
- B.S. Molecular, Cellular, and Developmental Biology, University of Michigan 2005
- Roslyn High School, Roslyn, NY 2001

TRAINING & RESEARCH EXPERIENCE

- Stanford Molecular Tumor Board, under Jim Ford M.D., Stanford University 2020-current
- Oncology Fellowship under George Fisher M.D., Ph.D., Stanford University 2019-current
- Postdoctoral Research under Ash Alizadeh M.D., Ph.D., Stanford University 2017-current
- Internal Medicine Residency Research, ABIM Research Pathway, Columbia University, under David Goldstein Ph.D. 2015-2016
- Ph.D. Research, Wellcome Trust Sanger Institute, Cambridge University, under Matt Hurles Ph.D. 2012-2015
- Howard Hughes Research Scholar, National Human Genome Research Institute, under Les Biesecker M.D. 2010-2012
- Medical School Research, Henry Ford Health System, under Sandra Rempel Ph.D. 2006-2009
- Undergraduate Research, University of Michigan Stem Cell Center, under Linda Samuelson Ph.D. 2004
- Undergraduate Summer Research, National Cancer Institute, under Ira Pastan M.D. 2003

LICENSURE & CERTIFICATION

- California State Medical License #148591
- Internal Medicine Board Certification #390834
- DEA Certificate FK6836918

PUBLICATIONS

- Bioinformatics Team of the Deciphering Developmental Disorders Consortium. Prevalence and architecture of de novo mutations in developmental disorders. Nature 2017. PMID: 28135719
- **King DA**, Sifrim A, …, Hurles ME. Detection of structural mosaicism from targeted and whole-genome sequencing data. Genome Research 2017. PMID: 28855261
- Akawi N, Mcrae J, ..., **King DA,** …, Hurles ME. Discovery of four recessive developmental disorders using probabilistic genotype and phenotype matching among 4,125 families. Nature Genetics 2015. PMID: 26437029

- **King DA**, Jones W, Trzaskowski M, …, Hurles ME. Mosaic structural variation in children with developmental disorders. Human Molecular Genetics 2015. PMID: 25634561
- Fitzgerald TW, Morley KI, **King DA**, ..., Hurles ME. Exon-level Detection of Copy Number Variation in 1,766 Control Individuals from the DDD project. Submitted.
- The Deciphering Developmental Disorders Collaboration (authorship in 'Analysis Team'). Large-scale discovery of novel genetic causes of developmental disorders. Nature 2015. PMID: 25533962
- Wright CF, Fitzgerald TW, …, **King DA**, …, Hurles ME. Genetic diagnosis of developmental disorders in the DDD study: a scalable analysis of genome-wide research data. Lancet 2015. PMID: 25529582
- Wright CF, Fitzgerald TW, Jones W, ..., **King DA**, …, Hurles ME. Deciphering Developmental Disorders: Clinical Genome Sequencing Implemented in a Large-Scale Rare-Disease Research Study. Lancet 2014.
- **King DA**, Fitzgerald TW, Miller R, …, Hurles ME. A novel method for detecting Uniparental Disomy from trio genotypes identifies a significant excess in children with developmental disorders. Genome Research 2014. PMID: 24356988
- Carvalho CMB, Pfundt R, **King DA**, Lupski JR. Absence of heterozygosity due to template switching during replicative rearrangements. American Journal of Human Genetics 2015. PMID: 25799105
- Schultz CR, Golembieski WA, **King DA**, …, Rempel SA. Inhibition of HSP27 alone or in combination with pAKT inhibition as therapeutic approaches to target SPARC-induced glioma cell survival. Molecular Cancer 2012.

ORAL PRESENTATIONS

- Lustgarten Foundation Pancreatic Cancer Research Walk Invited Speaker 2019
- Association of Northern California Oncologists Annual Meeting Research Talk 2019
- Stanford Oncology Asilomar Conference Speaker 2019
- Clinician Scientist Pathway Molecular Medicine: Three Bytes of Big Data Medicine 2016
- A Seventh Update in Genetics for Paediatricians: The Deciphering Developmental Disorders Study 2014
- Genomic Disorders: Structural Mosaicism and Developmental Disorders 2014
- European Society of Human Genetics: Detection of Uniparental Disomy in Developmental Disorders 2013
- Genomic Disorders: A New Method to Detect Uniparental Disomy in Trio Genotypes 2013

SELECTED RECENT POSTERS

- GI-ASCO 2020 2020
- Canary Center Early Detection Conference, Stanford University, CA 2019
- AACR-Pancreas Conference, Boston, MA 2019
- PancWest, Stanford University, CA 2019

AWARDS & GRANTS

- American Society of Clinical Oncology – GI Division Merit Award 2020
- American Association of Clinical Research Pancreas Cancer Meeting, Merit Award 2019
- Stanford Cancer Institute Pancreatic Cancer Innovation Award 2019
- Stanford Cancer Institute Research Fellowship Award 2019

- Association of Northern California Oncologists Merit Award 2019
- Stanford Biodesign & Innovation Seed Funding Award 2018
- Pressland Language Fund Travel Award 2014
- Distinction in Biomedical Research Award, WSU School of Medicine 2012
- NIH Fellowship Award for Research Excellence 2011
- James B. Angell Scholar Award, Consecutive Terms 4.0 GPA, University of Michigan 2005
- Cancer Research Training Award, National Cancer Institute 2002
- National AP Scholar 2001
- Intel Westinghouse Semi-Finalist 2001
- International Science & Engineering Fair Awardee 2001
- Juilliard Pre-College Training Program Awardee 2000
- Science Olympiad Rube Goldberg State Champion 2000

LEADERSHIP

- Stanford Cancer Institute Pancreas Cancer Research Database Leader 2019
- Stanford Cancer Institute Molecular Tumor Board, Coordinator Elect 2019
- National Chairman, American Medical Student Association, Committee of Scientific Issues 2009
- Wayne State University School of Medicine Curriculum Improvement Committee 2010
- Founder & President, WSU School of Medicine Student Society for Stem Cell Research 2008
- President, University of Michigan Alpha Sigma Phi Fraternity 2002

MISCELLANEOUS

DESIGN

- Assembled a 3D printer
- Design and manufacture 3D models

PROGRAMMING

- Computer programming: Perl, R, Python, Blender