

MIRINDI T. KABANGU

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EDUCATION

Indiana University School of Medicine, Indianapolis, Indiana Aug 2022 – Present
Doctor of Medicine

University of Kentucky, Lexington, Kentucky Aug 2017 – May 2021
Bachelor of Science in Biology

RESEARCH EXPERIENCE

Department of Medical and Molecular Genetics, Indianapolis, IN May 2023 – Aug 2023
T35 Research Fellow

- Explored the relationship between mitochondrial DNA variation and physiological function across 55 *Drosophila melanogaster* strains.

Brain and Spinal Cord Injury Research Center, Lexington, KY May 2021 – June 2022
Laboratory Technician

- Contributed to research on limb and tail regeneration using *Ambystoma mexicanum* under the supervision of Dr. S. Randal Voss

Brain and Spinal Cord Injury Research Center, Lexington, KY Jan 2019 – May 2021
Undergraduate Research Assistant

- Designed and implemented a microbial monitoring protocol to thwart the spread of infections of concern in the Ambystoma Genetic Stock Center.

PUBLICATIONS

Kabangu M, Cecil R, Strohl L 2nd, Timoshevskaya N, Smith JJ, Voss SR. Leukocyte Tyrosine Kinase (Ltk) Is the Mendelian Determinant of the Axolotl Melanoid Color Variant. *Genes*. 2023 Apr 13;14(4):904. doi: 10.3390/genes14040904.

Voss SR, Smith JJ, Cecil RF, **Kabangu M**, Duerr TJ, Monaghan JR, Timoshevskaya N, Ponomareva LV, Thorson JS, Veliz-Cuba A, Murrugarra D. HDAC Inhibitor Titration of Transcription and Axolotl Tail Regeneration. *Front Cell Dev Biol*. 2021 Dec 31;9:767377. doi: 10.3389/fcell.2021.767377.

Trofka A, Huang BL, Zhu J, Heinz WF, Magidson V, Shibata Y, Shi YB, Tarchini B, Stadler HS, **Kabangu M**, Al Haj Baddar NW, Voss SR, Mackem S. Genetic basis for an evolutionary shift from ancestral preaxial to postaxial limb polarity in non-urodele vertebrates. *Curr Biol*. 2021 Nov 22;31(22):4923-4934.e5. doi: 10.1016/j.cub.2021.09.010.

PRESENTATIONS

Kabangu MT, Martinez M: *Dural sinus stenting for idiopathic intracranial hypertension in children: An update.* SNIS Cerebral Venous and CSF Disorders Summit. Mar 1st, 2024. Oral Presentation

Kabangu MT, Malik NU, et al.: *Risk of atherosclerotic disease and prevalence of associated co-morbid conditions in an Indianapolis student-run free clinic's patient population.* Health Equity Advancing through Learning health systems Research Symposium. Nov 9th, 2023. Oral Poster

Kabangu MT, Graham BH, et al.: *Sequencing the mitochondrial genome of fifty-five D. melanogaster strains.* IU Medical Student Program for Research and Scholarship. Jul 28th, 2023. Oral Presentation.

Kabangu MT, Voss SR: *Anterior-posterior axis polarization in a regenerating axolotl limb.* Frontiers in Stem Cells and Regeneration. Oct 6th, 2021. Oral Presentation.

Kabangu MT, Voss SR: *The long-term persistence of an influenza-like virus in a laboratory axolotl population.* National Conferences on Undergraduate Research. Apr 13th, 2021. Oral Presentation.

Kabangu MT, Voss SR, et al.: *Paradoxical effects of CoCl₂ on axolotl tail regeneration.* University of Kentucky Undergraduate Research Showcase. Apr. 25th, 2018. Oral Poster

HONORS & AWARDS

NIH NHLBI-T35: Medical Student Research Fellowship	May 2023 – Aug 2023
IUSM Genetics in Medicine Scholarly Concentration	May 2023 – present
NIH ORIP: Diversity Supplement Award	Jan 2021 – May 2022
Frontiers in Stem Cells & Regeneration Fellowship, Marine Biological Laboratory	Oct 2021

SERVICE

Research Committee Member, IUSM Student Outreach Clinic Research Committee	Jan 2024 – present
<ul style="list-style-type: none"> Led a research project analyzing over 1000 patient visits at the Indiana University Student Outreach Clinic, identifying prevalent health conditions in underserved populations and submitted findings to the Journal of Student-Run Free Clinics. 	
DEIJ in Radiology Committee: Inclusive Language in Radiology Focus Group	April 2023 – present
<ul style="list-style-type: none"> Collaborated in designing a comprehensive survey to assess the use of inclusive language within the radiology department and prepared recommendations for a subsequent departmental course. 	
Chair, Common Read Experience Committee	Nov 2022 – present
<ul style="list-style-type: none"> Organized and facilitated discussions to help 400+ matriculating students critically analyze healthcare topics, fostering early professional growth and engagement. 	