

MAUREEN AKINYI

1 Baylor Plaza, Baylor College of Medicine | Houston, 77030, Texas, USA

EDUCATION

2011-2015: **Ph.D. in RNA Biology** International Centre for Genetic Engineering and Biotechnology (ICGEB); Trieste, Italy; Open UK University.

2009-2011: **M. Sc (Med): Human Genetics**,
University of Cape Town, CT, South Africa.

2008: **B. Sc (Med) Hons: Human Genetics**,
University of Cape Town, CT, South Africa

2007: **B. Sc: Majors in Genetics & Development and Physiology**,
University of Cape Town, CT, South Africa.

POSITIONS

Nov 2021-Present: **Baylor College of Medicine, Houston, TX.**

Postdoctoral Research Associate

Advisor: Eric Van Nostrand, Ph.D.

Apr 2015-2021: **University of Helsinki, Helsinki, Finland.**

Postdoctoral Researcher.

Advisor: Mikko Frilander, Ph.D.

AWARDS, PRIZES AND HONOURS

2024: 2024 Leading Edge Fellow

2022: Honorable Mention Talk Award; BMB-P&CB-CPSB Research Conference,
Baylor College of Medicine, Houston, Texas.

2018: Maikki Friberg Award 2018 (Promotion of community equality through Postdoc
Association), University of Helsinki, Helsinki, Finland.

2016: Poster Prize; Annual RNA Society Meeting, Kyoto Japan.

2011-2014: Arturo Falaschi Ph.D Fellowship; ICGEB Trieste, Italy.

2011: 1st Prize Oral Presentation (Young Investigator Prize); Joint Congress SASHG and AFSHG.
Cape Town, South Africa.

PUBLICATIONS

*Equal contribution.

† Corresponding author

- **Akinyi, MV**† and Frilander, M.J. At the intersection of major and minor spliceosomes: Crosstalk mechanisms and their impact on gene expression. Review. *Frontiers in Genetics* (12) July 2021. doi.org/10.3389/fgene.2021.700744
- Bas de Wolf, Ali Oghabian*, **Maureen V. Akinyi***, Sandra Hanks*, Eelco C. Tromer, Jolien van Hooff, Lisa van Voorthuijsen, Laura van Rooijen, Jens Verbeeren, Esther C.H. Uijttewaal, Marijke P.A. Baltissen, Shawn Yost, Philippe Piloquet, Michiel Vermeulen, Berend Snel, Bertrand Isidor, Nazneen Rahman, Mikko J. Frilander, Geert J.P.L. Kops. Constitutional aneuploidy caused by defects in splicing of minor intron subtypes. *EMBO J*, 2021 Jul 15;40(14):e106536. doi: 10.15252/embj.2020106536. Epub 2021.

- Daniel Jutzi*, **Maureen V. Akinyi***, Jonas Mechttersheimer*, Mikko J. Frilander and Marc David-Ruepp. The emerging role of minor intron splicing in neurological disorders. *Cell Stress*; February 2018.
- Bhupendra Verma, **Maureen V. Akinyi**, Antto J. Norppa, Mikko J. Frilander. Minor spliceosome and disease. *Seminars in Cell & Developmental Biology (79)*: 103–112 July 2018.
- De Conti L.*, **Akinyi M.V.***, Romano M., Baralle M. and Buratti E. TDP-43 can directly affect splicing profiles and isoform production of genes involved in apoptotic and mitotic cellular pathways. *Nucleic Acids Research 43(18)*; August 2015.
- **#Akinyi M.V.**, Dandara C, Gamielid J., Heckmann J. M. Association of transforming growth factor β -1 (TGFB1) regulatory region polymorphisms with myasthenia gravis-related ophthalmoparesis. *Journal of Neuroimmunology*15;246(1-2):96-9 2012. (#author retracted article).

CONFERENCES AND MEETING CONTRIBUTIONS

- 2024: **Invited Talk**-Gordon Research Conference-Versatility of RNA in the living world, Portland Maine, U.S.A.
- 2024: **Poster**-Gordon Research Conference-Versatility of RNA in the living world, Portland, Maine, U.S.A.
- 2024: **Invited Talk**- Leading Edge Symposium, HHMI Janelia Research Campus, Virginia.
- 2023: **Poster**-33rd Keck Research Conference: New Frontiers in RNA Biology & Therapeutics, Houston, Texas, U.S.A.
- 2023: **Poster**-Keystone Meeting: Protein-RNA Interactions, Vancouver, Canada.
- 2022: **Invited Talk**- BMB-P&CB-CPSB Research Conference, (**Honorable Mention Award**) Baylor College of Medicine, Houston, Texas, U.S.A.
- 2019: **Invited Talk**-Cold Spring Harbor-Eukaryotic mRNA Processing Meeting, New York, U.S.A.
- 2017: **Poster**-Cold Spring Harbor-Eukaryotic mRNA Processing Meeting, New York, U.S.A.
- 2016: **Poster**-Annual RNA Society meeting (**Best Poster Award**)-Kyoto, Japan.
- 2014: **Poster**-19th ICGEB Annual Symposium, Trieste, Italy.
- 2014: **Poster**-ICGEB, Conference on RNA Metabolism, Trieste, Italy.
- 2013: **Poster**-2nd Post-Eurasnet Symposium, Trieste, Italy.
- 2011: **Invited Talk**- Joint Congress SASHG and AFSHG (**Young Investigator Prize**) Cape Town, South Africa.

PROFESSIONAL/ACADEMIC SERVICE

Reviewer (with PI):

Nucleic Acids Research, RNA, Nature Communications, Science, Experimental and Molecular Medicine, PNAS, Nature Review Genetics

Administrative responsibilities

- 2020-2021: Interim Chair, Viikki Postdoctoral Association (ViPA), University of Helsinki, Finland.
- 2018-2019: Chair, Viikki Postdoctoral Association (ViPA)- University of Helsinki, Finland.
- 2018: Steering Committee Member, Next Generation Genomics Workshop, University of Helsinki, Finland
- 2013-2014: Ph.D Student Representative -ICGEB, Trieste, Italy.
- 2009-2010: Board Member, Postgraduates Students Association -University of Cape Town, Cape Town, South Africa.

MEMBERSHIPS

2016- Present: RNA Society

TEACHING AND PEDAGOGICAL COMPETENCE

2019: Guest Lecturer-Advanced RNA analytical methods

Graduate course: Advanced methodologies in Molecular Biology,
University of Helsinki, Finland.

2020: University Pedagogy 1 & 2 training, University of Helsinki, Helsinki, Finland

TRAINING AND DEVELOPMENT

2023: Mentor Training-National Research Mentor Network, Baylor College of Medicine,
Houston, Texas.

2022: Responsible Conduct of Research Training, Baylor College of Medicine, Houston, Texas.

2019: Project Management Training, University of Helsinki, Helsinki, Finland.

2016: RNA Sequencing Analyses Workshop, Institute of Biotechnology,
University of Helsinki.