CURRICULUM VITAE

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POST-GRADUATE
TRAINGING:

7/2013 – 6/2014   JOHNS HOPKINS HOSPITAL
Cross-Sectional Imaging Fellowship
Baltimore, MD

7/2009 – 6/2013   UNIVERSITY HOSPITALS CASE MEDICAL CENTER
Diagnostic Radiology Residency
Cleveland, OH

7/2008 – 6/2009   GOOD SAMARITAN HOSPITAL
Preliminary Medicine Internship
Cincinnati, OH

EDUCATION:

8/1997 – 5/2008   UNIVERSITY OF ILLINOIS
Medical Scientist Training Program
Chicago, IL

8/1993 – 5/1997   RICE UNIVERSITY
B.S., Electrical Engineering
Graduated Magna Cum Laude
Phi Beta Kappa Honor Society
Tau Beta Phi Engineering Honor Society
Houston, TX

<u>LICENSURE</u>:

                Virginia – ABR Diagnostic Radiology Board Certified
                Maryland – ABR Diagnostic Radiology Board Certified
                New Hampshire – Pending BLS Certification
                Pennsylvania – ABR Diagnostic Radiology Board Certified
                Tennessee – Pending BLS Certification

<u>CERTIFICATION</u>:

                American Board of Radiology – Diagnostic Radiology

<u>PUBLICATIONS</u>:

Maliyekkel, A.T., Faulhaber, P.F. Liver PET/CT and Molecular Imaging. In: Hamm, B., Ros P.R., ed. *Abdominal Imaging*. Berlin, Germany: Springer Berlin - Heidelberg; 2013:943-954.

Shtutman, M., **Maliyekkel, A**., Shao, Y., Carmack, C.S., Baig, M., Warholic, N., Cole, K., Broude, E.V., Harkins, T.T., Ding, Y., Roninson, I.B. Functionbased gene identification using enzymatically generated normalized shRNA library and massive parallel sequencing. (2010). *Proceedings of National Academy of Sciences of the USA.* 107(16):7377-82.

Chan, C. Y., Carmack, C. S., Long, D. D., **Maliyekkel, A.,** Shao, Y., Roninson, I. B., Ding, Y. (2009). A structural interpretation of the effect of GC-content on efficiency of RNA interference. *BMC Bioinformatics* 10(Supp 1):S33.

Shao, Y., Chan, C.Y., **Maliyekkel, A.**, Lawrence, C.E., Roninson, I.B., and Ding, Y. (2007). Effect of target secondary structure on RNAi efficiency. *RNA* 13(10):1631-40.

Maliyekkel, A., Davis, B.M., and Roninson I.B. (2006) Cell cycle arrest drastically extends the duration of gene silencing after transient expression of short hairpin RNA. *Cell Cycle* 5(20):2390-5.

Primiano, T., Baig, M., **Maliyekkel, A.**, Chang, B., Fellars, S., Sadhu, J., Axenovich, S.A., Holzmayer, T.A., and Roninson I.B. (2003). Identification of potential anticancer drug targets through the selection of growth-inhibitory genetic suppressor elements. *Cancer Cell* 4(1):41-53.

Ferrada, J.J., Nehls, J.W. Jr. , Welch, T.D., Giardina, J.L., Forsberg, C.W., **Maliyekkel, A.T.** (1996) Preliminary process simulation and analysis of GMODS: Processing of plutonium surplus materials. US Department of Energy Technical Report.

<u>ABSTRACTS/PRESENTATIONS</u>:

Primiano, T., Baig, M., Chang, B., **Maliyekkel, A**., Fellars, S., Axenovich, S.A., Holzmayer, T.A., and Roninson I.B. (2002). Identification of candidate target genes in breast carcinoma cells

through selection of growth-inhibitory genetic suppressor elements. *93rd Annual Meeting of the American Association for Cancer Research* 43:581, Abs #2881.

Swift, M.E., Chang, B.D., Poole, J., **Maliyekkel, A.**, Broude, E., and Roninson, I. (2002). Effects of p21(Waf1/Cip1/Sdi1) on gene expression: relevance to tumor-promoting activities of stromal fibroblasts. *93rd Annual Meeting of the American Association for Cancer Research* 43:809, Abs #4014.

Primiano T., **Maliyekkel, A.**, Shyshynova, I., Chang, B.D., Broude, E.V., and Roninson, I.B. (2000) Activation of accelerated senescence by the cancer chemopreventive agent N-(4-hydroxyphenyl)retinamide (4-HPR) in prostate carcinoma cell lines. *91st Annual Meeting of the American Association for Cancer Research*. 41:852 Abs #5412.

OTHER WORK EXPERIENCE:

4/2005 – 6/2005	Consultant, Senex Biotechnology, Inc., Albany, New York Wrote software to aid in analysis of high-throughput drug screening data
6/1996 – 8/1996	Co-op, Charles Stark Draper Laboratories, Houston, Texas Worked on space shuttle simulation software
7/1993 – 8/1993	Intern, ORISE, Oak Ridge National Labs, Oak Ridge, Tennessee Worked on FLOW software program for waste management analysis