Memorial Sloan Kettering Cancer Center

Yvonne Gruber Mica, PhD

Manager, Field Applications - Cell Biology Thermo Fisher Scientific New York, NY

Email

Yvonne.Mica@thermofisher.com

Dissertation

Modeling Neural Crest Induction, Melanocyte Specification and Disease-Related Pigmentation Defects in hESCs and Patient-Specific iPSCs (2013)

Mentor

Lorenz Studer, MD

End Year

2013

Education

Wellesley College

Publications

Fattahi F, Steinbeck JA, Kriks S, Tchieu J, Zimmer B, Kishinevsky S, Zeltner N, Mica Y, El-Nachef W, Zhao H, de Stanchina E, Gershon MD, Grikscheit TC, Chen S, Studer L. (2016) Deriving human ENS lineages for cell therapy and drug discovery in Hirschsprung disease. *Nature*. 531, 105-9. PMCID: PMC4846424

Callahan SJ, Mica Y, Studer L. (2016) Feeder-free Derivation of Melanocytes from Human Pluripotent Stem Cells. *J Vis Exp.*, 109.

Chambers S, Mica Y, Lee G, Studer L, Tomishima M. (2013) Dual-SMAD Inhibition/WNT Activation-Based Methods to Induce Neural Crest and Derivatives from Human Pluripotent Stem Cells. *Methods Mol Biol.*

Mica Y, Lee G, Chambers S, Tomishima M, Studer L. (2013) Modeling Neural Crest Induction, Melanocyte Specification, and Disease-Related Pigmentation Defects in hESCs and Patient-Specific iPSCs. *Cell Rep*, 3, 1140-1152.

Chambers S, Qi Y, Mica Y, Lee G, Zhang X, Niu L, Bilsland J, Cao L, Stevens E, Whiting P, Shi S, Studer L. (2012) Combined small-molecule inhibition accelerates developmental timing and converts human pluripotent stem cells into nociceptors. *Nat Biotechnol*, 30, 715-720.

Chambers S, Mica Y, Studer L, Tomishima M. (2011) Converting human pluripotent stem cells to neural tissue and neurons to model neurodegeneration. *Methods Mol Biol*, 793, 87-97.

Papapetrou E, Tomishima M, Chambers S, Mica Y, Reed E, Menon J, Tabar V, Mo Q, Studer L, Sadelain M. (2009) Stoichiometric and temporal requirements of Oct4, Sox2, Klf4, and c-Myc expression for efficient human iPSC induction and differentiation. *Proc Natl Acad Sci U S A*, 106, 12759-12764.

View a full listing of Yvonne Gruber Mica's journal articles.

About Us

Overview

Leadership

Administration

History

Contact Us

Research

Overview

Research programs

Research labs

Core facilities & resources

Education & Training

Overview
Postdoctoral training
Gerstner Sloan Kettering Graduate School
Joint graduate programs
Programs for college & high school students
News & Events
Overview
Seminars & events
Open Positions
Overview
Faculty positions
Postdoctoral positions
