Maureen WENTLING

PhD Candidate

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PROFILE

Neuroscience PhD candidate focused on progressive sensorineural hearing impairements and peutative therapeutics to halt progression. Thesis work aims to elucidate the mechanisms driving Clarin-mediated progressive hearing loss, and how the sound environment contributes to this progression.

EDUCATION

2019 - Present | **PHD CANDIDATE - NEUROSCIENCE**
Institute Pasteur & Sorbonne Université, ED515 Complexité du Vivant, Paris, France.

2015 - 2017 | **MASTER OF SCIENCE, BIOMEDICAL SCIENCE**
Ichan School of Medicine at Mount Sinai, New York, NY, United States.

2010 - 2013 | **BACHELOR OF SCIENCE - BIOLOGY**
Wheaton Colllege, Wheaton, IL, United States.

EXPERIENCE

2019 - Present | **PHD STUDENT -** Institut Pasteur & Sorbonne Université
Thesis: Gene & Environmental Interactions in Progressive Hearing Impairments: Insights from Clarin Tetraspan-like Proteins
Supervisors: Aziz El-Amraoui & Sedihegh Delmaghani

2018 - 2019 | **RESEARCH ASSISSTANT-** Casaccia Lab, Neuroscience Initative, Advanced Science Research Center, New York, NY USA

2017 - 2018 | **ASSOCIATE RESEARCHER -** Casaccia Lab, Neuroscience Department, Icahn School of Medicine at Mount Sinai, New York, NY USA

2015 - 2017 | **MASTER STUDENT-** Icahn School of Medicine at Mount Sinai
Thesis: Characterizing the effect of cerebrospinal fluid from multiple sclerosis patients on mitochondria in primary rat neurons
Supervisor: Patrizia Casaccia

2012 | **MOLECULAR BIOLOGY INTERN-** L'hôpital Armand-Trousseau, Laboratoire de Biochimie, Paris, France
Supervisor: Laurance Jonard

PUBLICATIONS

Bonnefil, V., Dietz, K., Amatruda, M., **Wentling, M.,** Aubry, A., Dupree, J.L., Temple, G., Park, H., Burhjardt, N., Casaccia, P., and Liu, J. (2019) *Region-specific myelin differences defines behavioral consequences to chronic social defeat stress in mice*. eLife.

Wentling, M., Lopez-Gomez, C., Park, H., Amatruda, M., Ntranos, A., Aramini, J., Petracca, M., Rusielwicz, T., Chen, E., Tolsitkov, V., Kiebish, M., Fossati, V., Inglese, M., Quinzii, C., Katz Sand, I., and Casaccia, P. (2019) *A metabolic perspective on CSF-mediated neurodegeneration in multiple sclerisis.* Brain.

Zhu, U. Vidaurre, O.G., Adula, K. P., Kezunovic, N., **Wentling, M**., Huntley, G.W., and Casaccia, P. (2017). *The subcellular distribution of HDAC1 in neurotoxic condtions is dependent on serine phosphorylation*. J Neurosci.