

Matthew Serrata

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EXPERIENCE

Wyss Institute, Yin Lab - Research Assistant II

September 2020 – Present

- Optimization of multiplexed-SABER tissue imaging
- Participation in HuBMAP Consortium, a global initiative to map healthy human tissue

Beth Israel Deaconess Medical Center, Bendapudi Lab - Research Assistant II

October 2017 – September 2020

- Characterization of the molecular basis for recruitment and activation of coagulation factor XII
- Elucidation of genetic mutations that predispose individuals to microthrombotic disorders such as Purpura Fulminans

Aerotek (Amgen) – Associate Lab Support Technician

May 2016 – September 2017

- Assisted in the production and purification of monoclonal antibodies
- Experience operating under GMP conditions to produce pre-clinical grade drug substances destined for clinical trials

Tufts Medical Center – Research Intern

May 2015 – August 2015

- Characterization of the surface antigens associated with virulence of the apicomplexan parasite, *Cryptosporidium parvum*
- Testing of compounds for activity against *Toxoplasma gondii* tachyzoite and bradyzoite life cycle stages

EDUCATION

- **Boston College**, College of Arts and Sciences - *Bachelor of Science in Biochemistry*, 2015

PUBLICATIONS

- Chaudhry, S A, **Serrata, M**, et al. *Cationic Zinc is Required for FXII Recruitment and Activation by Stimulated Platelets and Thrombus Formation in vivo*. Journal of Thrombosis and Haemostasis. 2020 Sep;18(9):2318-2328.