Post-Doc in Systems Immunology and/or Bioinformatics

AMPEL BioSolutions offers a rigorous two-year postdoctoral program that trains PhD to be competitive applicants for Scientist positions in Pharma/Biotech, the NIH and universities. Post-Doc positions are located in: Systems Immunology, Bioinformatics, Machine Learning or a combination of these fields. Publication and grant writing are essential components of the training period. AMPEL has a hybrid environment of remote and in-office personnel.

High-caliber work suitable for presentation at scientific meetings and/or publication in the peer-reviewed literature is expected. Successful applicants will possess excellent organizational skills, the ability to think critically, prowess in written and oral communication, and the initiative to work proactively in a collaborative environment.

Please send your send CV, 3 references, research interests & relevant skills/experience to:
Amrie C. Grammer, COO/ChiefScientificOfficer, amriegrammer@ampelbiosolutions.com
AMPEL BioSolutions, 250 W. Main St, Suite 300, Charlottesville, VA 22902 (Ph: 434-296-AMPL)
www.ampelbiosolutions.com

Precise Personalized Medicine through Genomics:
Harnessing Big Data to Improve Healthcare

AMPEL BioSolutions is a precision medicine company with a proprietary genomic platform, bioinformatic tools and machine learning algorithms. Profitability from in-house clinical trial design/management fuels R&D for gene-based disease diagnostics in the immunology space including Systemic Lupus Erythematosus and COVID19. Current customers are Pharma to accelerate trial success by enrolling patients into trials that express drug target/pathway. AMPEL's first product, LuGENE®, is a first-in-class CLIA-certified gene-based LDT blood test that will assess disease status, predict flares and match patient with best drug options.

Daamen AR et al. " Comprehensive transcriptomic analysis of COVID-19 Blood, Lung and Airway", Nature Scientific Reports, submitted. bioRxiv. doi: 10.1101.2020.05.28.121889. Preprint.

Owen KA et al., "Analysis of Trans-Ancestral SLE Risk Loci Identifies Unique Biologic Networks and Drug Targets in African and European Ancestries," Am. J. Human Genetics 107:1-18, 2020. doi.org/10.1016/j.ajhg.2020.09.007

Catalina, MD et al., "Patient ancestry significantly contributes to molecular heterogeneity of Systemic Lupus Erythematosus," ," JCI Insights 5(15) e140380, 10.1172/jci.insight.140380.

Hubbard EH et al., "Analysis of Gene Expression from Lupus Synovium Reveals a Profile of Activated Immune Cells and Inflammatory Pathways", Nature Sci. Rep., in press. bioRxiv. doi; 10.1101/2020.06.19.123307. Preprint.

Catalina MD et al., "The pathogenesis of systemic lupus erythematosus: harnessing Big Data to understand the molecular basis of lupus," J. Autoimmunity 110:102359, 2020.

Kingsmore KM et al., "Drug Repurposing to Improve the Treatment of Patients with Rheumatic Autoimmune Inflammatory Diseases (RAIDs)", Nature Reviews Rheumatology 16:32, 2020.

Kegerreis B et al., "Machine Learning Approaches to Predict Disease Activity from Gene Expression Data," Nature Scientific Reports 9:9617, 2019.

Labonte AC et al., "Identification of alterations in macrophage polarization associated with disease activity in systemic lupus erythematosus," PLoS One 13(12):e0208132, 2018.