

## INTRODUCTION TO PRECISION MEDICINE

Harlem DNA Lab

Thursday, November 8, 2018

4:00 PM–6:00 PM

### INTRODUCTION

► **Welcome and Precision Medicine Overview**

Christine Marizzi, PhD, Urban Barcode Programs Manager

### GEL ELECTROPHORESIS / PRECISION MEDICINE WORKSHOP

Join the Harlem DNA Lab for a Gel Electrophoresis workshop to conduct research the way geneticists do. In this hands-on program, students will analyze DNA to determine a personalized approach to treating disease.

*DNALC is the world's first science center devoted entirely to genetics education and is an operating unit of Cold Spring Harbor Laboratory, an important center for molecular genetics research. The mission of the DNALC is to prepare students and families to thrive in the gene age. Through hands-on and virtual educational experiences for students, teachers, and the public the facilitates learning many standard molecular biology techniques and encourage scientific thinking.*



#### **CHRISTINE MARIZZI | MICROBIOLOGIST, GENETICIST**

Christine Marizzi, Ph.D. is an award-winning scientist and educator and the Urban Barcode Project Manager at the DNA Learning Center (DNALC) in New York. The Urban Barcode Project is a science program in New York City where high school student research teams use DNA barcoding to explore biodiversity in the NYC metropolitan area. Christine graduated from the University of Vienna with a Master of Sciences degree in microbiology and genetics for investigating the role of a particular protein involved in RNA splicing during replication in yeast. For her Ph.D. thesis in genetics at the Max. F. Perutz Laboratories, University of Vienna, she worked with a unique stem-cell mutant of the plant model *Arabidopsis thaliana*.

WORLD SCIENCE ACADEMY PARTNER