

# Understanding the Human Genome: Excitement, Challenges and Opportunities

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Due to deciphering the Human Genome, Life Sciences are living in the most exciting times. Major discoveries are being made and the promise for the future is astounding. Computational Science is an essential major partner on this journey. In this talk I will start with a brief basic introduction to molecular biology, describe some of the main new experimental techniques and conclude by reviewing some of the most recent discoveries in which computations played a central role.