

Engineering Biology for a Sustainable Future



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Synthetic biology — the design and construction of new biological parts, and the redesign of natural biological systems for useful purposes — is contributing innovative solutions to numerous human needs and global challenges. Established just over ten years ago, advances in the field continue to open up new possibilities in healthcare, agriculture, chemicals, materials, energy, and bioremediation. The objective of this seminar is to understand what synthetic biology is, its importance, and how IBM can support an open-sourced platform to enable the sharing of knowledge and large-scale pooling of data for the creation of new biological products.

Nancy J. Kelley is a nationally recognized executive and lawyer who has driven key strategic initiatives in the business, government, nonprofit, and academic sectors for over twenty years. Ms. Kelley currently serves or has served on boards for the New York Genome Center, The Jackson Laboratory, Beth Israel Deaconess Medical Center, and the Whitehead Institute. Earlier in her career, Ms. Kelley was appointed a White House Fellow and Truman Scholar. She holds a BA in Economics from Yale College, a JD from Harvard Law School, and a MPP from the Harvard Kennedy School. For more information see: <http://nancyjkelly.com/nancy/>

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Host: Gustavo Stolovitzky
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