

LLC Fall 2018
Into the Future: Promises and Perils of Modern Innovations
 Nancy Nowak
 Suzanne Cane

SESSION	TOPIC	PRESENTATIONS	PRESENTER
1. Sep 18		Introduction	Nancy Nowak and Suzanne Cane
	Modifying the Human Body	Epigenetics	Nancy Nowak
2. Sep 25	Modifying the Human Body	Genetic engineering: DNA modification, CRISPR	David Cane (guest)
		Medical genetics	Mickey Rosenberg
3. Oct 2	Bioethics	Bioethics discussion with guest expert	Ruth Guyer (guest)
4. Oct 9	Reading Our bodies	Brain implants (neural implants)	Bill Carpenter
		Biometric authentication, or Wearable sensors such as E-textiles (smart garments); Tooth-mounted sensor; Smart contact lenses; smart shoe technology (helps people learn to walk again after a stroke or surgery. (Presenter's choice)	Bob Gilstein
5. Oct 16	Providing our Food	Cultured meat (clean meat, lab meat); Vertical farming; Seawater Greenhouses (Presenter's choice)	Leslie Davis
	Replacing Humans	Artificial organs or other body parts: artificial uterus, limbs, bladder, brain, ear, eye, heart, liver, lungs, ovaries, teeth etc. (Presenter's choice)	Janice Golden
6. Oct 23	Providing Our Energy	Solar energy	Murray Gintis (guest)
		Wind power	Jane Arnold
7. Oct 30	Replacing Humans	Artificial Intelligence	Pat Keefe
	Providing Our Food	GMO - Genetic engineering of crops	Eleanor McCarthy
8. Nov 6	Providing Our Shelter	Smart Cities; Domed cities; Closed ecological systems; Zero-energy buildings; Inflatable space habitat (Presenter's choice)	Jane and Ed Adler
	Modifying our Weather	Climate intervention (Geo-engineering)	Judith Knilans
9. Nov 13	Modifying Reality	Virtual reality: Visit to The Center for Computation & Visualization at Brown University	John Huffman (Brown)
10. Nov 20	Future Transportation	Unmanned vehicles	Mike Gerhardt
	Blockchain	Blockchain technology	Ralph Jaspardo