Brains, Minds and Machines Summer Course 2024   Italics = invited   Underlined = confirmed

			Morning				Afternoon							LEGEND
MBL Rooms Reserved			9:15 - 10:30	10:30 - 10:45	10:45 - 12:00	12:00 - 1:30	1:30 - 2:45	2:45 - 3:00	3:00 - 4:15	4:30 - 6:00	6:00 -- 8:00	8:00 - 9:00	9pm on	
	Aug-4	Sunday	Student/staff move in								Dinner			Lecture
Lecture: Lillie (9AM-5:30PM) Main Lab: Loeb 306 Kitchen: Loeb 302	Aug-5	Monday		MBL Orientation [45 minutes]	BREAK	Tommy Poggio + Gabriel Kreiman: Introduction to BMM and the summer course	LUNCH	TA introductions and contact info	BREAK	Student introductions	Student introductions	Welcome reception	Project introductions	Project introductions	Seminar Talk: Lillie Auditorium
Lecture: Lillie (9AM-5:30PM) Main Lab: Loeb 306 Kitchen: Loeb 302	Aug-6	Tuesday		Tutorial: Math and Programming	BREAK	Tutorial: Math and Programming	LUNCH	Tutorial: Intro to Statistical Learning Theory	BREAK	Tutorial: Signal Processing	Tutorial: Introduction to Neuroscience	Dinner	Project introductions	Project introductions	Seminar Talk
Lecture: Lillie (9AM-5:30PM) Main Lab: Loeb 306 Kitchen: Loeb 302	Aug-7	Wednesday		Jim DiCarlo: Visual recognition in primates	BREAK	Jim DiCarlo: Visual recognition in primates	LUNCH	Tutorial: Computational models of primate vision	BREAK	Tutorial: Intro to Deep learning	Tutorial: Deep learning hands on 1	Dinner	Jeff Lichtman: Connectomics At The Nano- and Petascale	Reception @ ?	Panel Discussion
Lecture: Lillie (9AM-5:30PM) Main Lab: Loeb 306 Kitchen: Loeb 302	Aug-8	Thursday		Gabriel Kreiman: The brain's operating system	BREAK	Gabriel Kreiman: The brain's operating system	LUNCH	Tutorial: Computer Vision Overview	BREAK	Tutorial: Neuroscience data analysis	Tutorial: Reinforcement Learning	Dinner	Project discussion	Project discussion	Tutorial (Loeb 108)
Lecture: Lillie (9AM-5:30PM) Main Lab: Loeb 306 Kitchen: Loeb 302	Aug-9	Friday		Tutorial: Statistics and Data Analysis	BREAK	Tutorial: Psychophysics	LUNCH	Tutorial: Computational models of visual attention	BREAK	Tutorial: Computational models of language and audition	Marge Livingstone: What art can tell us about the brain [Zoom]	Dinner	Project discussion	Project work time	Project (Loeb 108)
Lecture: Lillie (9AM-5:30PM) Main Lab: Loeb 306 Kitchen: Loeb 302	Aug-10	Saturday	Theory Workshop	Tomaso Poggio: TBD	BREAK	Eran Malach: TBD	LUNCH	Tomer Galanti: TBD	BREAK	Santosh Vempala: TBD	TBD	Dinner	Project work time	Project work time	Social (location TBD)
Lecture: Lillie (9AM-5:30PM) Main Lab: Loeb 306 Kitchen: Loeb 302	Aug-11	Sunday	Theory Workshop	Pierfrancesco Beneventano	BREAK	Jacob Andreas: TBD	LUNCH	Philip Isola: TBD	BREAK	Akshay Rangamani: TBD	TBD	Dinner	Douglas Eck: An overview of Generative AI: music, video and image creation	Reception @ ?	Activity
Lecture: Lillie (9AM-5:30PM) Main Lab: Loeb 306 Kitchen: Loeb 302	Aug-12	Monday		Matt Wilson: Hippocampal mechanisms of memory and cognition	BREAK	Matt Wilson: Hippocampal mechanisms of memory and cognition	LUNCH	Ethics discussion	BREAK	Saskia DeVries: Neural data observatories	Emery Brown: Deciphering the Dynamics of the Unconscious Brain Under General Anesthesia	Dinner	Project work time	Project work time	Zoom Talk
Lecture: Lillie (9AM-5:30PM) Main Lab: Loeb 306 Kitchen: Loeb 302	Aug-13	Tuesday	Embodied AI Workshop	Leslie Kaelbling	BREAK	Vikash Mansinghka	LUNCH	Stefanie Tellex: Robotics	BREAK	Leslie Kaelbling	Leslie Kaelbling	Dinner	Project work time	Project work time	
Lecture: Lillie (9AM-5:30PM) Main Lab: Loeb 306 Kitchen: Loeb 302	Aug-14	Wednesday	Embodied AI Workshop	Leslie Kaelbling	BREAK	Vikash Mansinghka	LUNCH	Vikash Mansinghka	BREAK	Vikash Mansinghka	Project work time	Dinner	Project work time	Project work time	
Lecture: Lillie (9AM-5:30PM) Main Lab: Loeb 306 Kitchen: Loeb 302	Aug-15	Thursday		Andrei Barbu and Boris Katz: Language	BREAK	Andrei Barbu and Boris Katz: Language	LUNCH	Haim Sompolinsky: Computational Neuroscience (Speck auditorium)	BREAK	Thomas Serre: What are the computations underlying primate versus machine vision? (Speck auditorium)	Winrich Freiwald: Faces and social interactions	Dinner	Project work time	Project work time	

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Lecture: Lillie (9AM-5:30PM) Main Lab: Loeb 306 Kitchen: Loeb 302	Aug-16 Friday	Project work time	BREAK	Project work time	LUNCH	Project work time	BREAK	Project work time	Discussions on magic, opportunities, challenges, and failures of LLMs (Loeb)	Dinner	*Christof Koch, TBD*	Watch Bioluminescence (Stony beach)	
Lecture: Lillie (9AM-5:30PM) Main Lab: Loeb 306 Kitchen: Loeb 302	Aug-17 Saturday	Project work time	BREAK	Project work time	LUNCH	Project work time	BREAK	Project work time	Project work time	Dinner	Project work time	Project work time	
Lecture: Lillie (9AM-5:30PM) Main Lab: Loeb 306 Kitchen: Loeb 302	Aug-18 Sunday *Falmouth Foot Race	Nancy Kanwisher: functional specificity of the human brain	BREAK	Nancy Kanwisher: functional specificity of the human brain	LUNCH	Project work time	BREAK	*Laura Shulz*	Sam Gershman	Dinner	Movie Night (Speck Auditorium)	Movie Night (Speck Auditorium)	
Lecture: Lillie (9AM-5:30PM) Main Lab: Loeb 306 Kitchen: Loeb 302	Aug-19 Monday	Martha's Vineyard Trip							Return from Martha's Vineyeard	Dinner		Project work time	
Lecture: Lillie (9AM-5:30PM) Main Lab: Loeb 306 Kitchen: Loeb 302	Aug-20 Tuesday	Team Challenge - Boat building (tent ouside Loeb, Spandan, Coco and Ko in charge)	BREAK	Team Challenge - Boat building (tent ouside Loeb)	LUNCH (venue: tent outside Loeb)	Team Challenge - Boat competition (Stony beach)	BREAK	Team Challenge - Boat competition (Stony beach)	Project work time	Dinner	Project work time	Project work time	
Lecture: Lillie (9AM-5:30PM) Main Lab: Loeb 306 Kitchen: Loeb 302	Aug-21 Wednesday	*Alumni Day: Adam Yaari, Kohitij Kar, Candace Ross*	BREAK	*Alumni Day: Anna Leshinskaya, Yen-Ling Kuo*	LUNCH Swope Terra	*Alumni Day: Carlos Ponce, Bill Lotter*	BREAK	*Alumni Day: Hanlin Tang, Sue Yeon, followed by Q&A panel with all alumin*	Project work time	Dinner	Project work time	Project work time	
Lecture: Lillie (9AM-5:30PM) Main Lab: Loeb 306 Kitchen: Loeb 302	Aug-22 Thursday	*Josh Tenenbaum: TBD*	BREAK	*Josh Tenenbaum: TBD*	LUNCH	Josh McDermott	BREAK	*Daniela Rus*	Project work time	Dinner	Project work time	Project work time	
Lecture: Lillie (9AM-5:30PM) Main Lab: Loeb 306 Kitchen: Loeb 302	Aug-23 Friday	Student Presentations	BREAK	Student Presentations	LUNCH	Student Presentations	BREAK	Student Presentations	Student Presentations	Dinner	Project work time	Project work time	
Lecture: Lillie (9AM-5:30PM) Main Lab: Loeb 306 Kitchen: Loeb 302	Aug-24 Saturday	Student Presentations	BREAK	Student Presentations	LUNCH	Student Presentations	BREAK	Student Presentations	Student Presentations	Closing Reception 6-9pm Swope Terrace			
	Aug-25 Sunday	Student/Staff Move out		Bike pickup 11am									