

Brains, Minds and Machines Summer Course 2021										Italics = invited		Underlined = confirmed				
				Morning				Afternoon								
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 - 4:30	4:30 - 6:00	6:00 -- 8:00	8:00 - 9:00	9pm on		LEGEND
	Aug-5	Thurs		Student/staff move in								Welcome reception				Lecture
Lecture: Lillie (9AM-5:30PM) Main Lab: Loeb G70 Kitchen: Loeb G70	Aug-6	Friday		MBL Orientation [45 minutes]	BREAK	<u>Tommy Poggio: Introduction to CBMM I</u> <u>Gabriel Kreiman: Introduction to the summer course</u>	LUNCH	TA introductions and contact info	BREAK	Student introductions	Student introductions	Dinner	Project introductions	Project introductions		Seminar Talk: Lillie Auditorium
Lecture: Lillie (9AM-5:30PM) Main Lab: Loeb G70 Kitchen: Loeb G70	Aug-7	Sat		Tutorial: Basic math & stats	BREAK	Tutorial: Statistics and data analysis	LUNCH	Tutorial: Intro to neuroscience	BREAK	Tutorial: Intro to Machine learning	Tutorial: Computational models of vision I	Dinner	Project introductions	Project introductions		Seminar Talk
Lecture: Lillie (9AM-5:30PM) Main Lab: Loeb G70 Kitchen: Loeb G70	Aug-8	Sun		<u>Gabriel Kreiman: The brain's operating system</u>	BREAK	<u>Gabriel Kreiman: The brain's operating system</u>	LUNCH	Tutorial: Computational models of vision II	BREAK	Tutorial: Intro to deep learning	Tutorial: Deep learning hands on I	Dinner	Project discussion	Project discussion		Panel Discussion
Lecture: Lillie (9AM-5:30PM) Main Lab: Loeb G70 Kitchen: Loeb G70	Aug-9	Mon		<u>Jim DiCarlo: Visual recognition in primates</u>	BREAK	<u>Jim DiCarlo: Visual recognition in primates</u>	LUNCH	Tutorial: Deep learning hands on II	BREAK	Tutorial: Deep learning hands on III	Tutorial: Psychophysics I	Dinner	Project discussion	Project discussion		Tutorial (Loeb 108)
Lecture: Lillie (9AM-5:30PM) Main Lab: Loeb G70 Kitchen: Loeb G70	Aug-10	Tues		<u>Christof Koch: Neural observatories</u>	BREAK	<u>Christof Koch / Saskia de Vries: Leveraging the Allen Brain Observatory data sets</u>	LUNCH	Tutorial: Psychophysics II	BREAK	Project work time	Project work time	Dinner	<u>Jeff Lichtman: Connectomics At The Nano- and Petascale</u>	Project work time		Project (Loeb 108)
Lecture: Lillie (9AM-5:30PM) Main Lab: Loeb G70 Kitchen: Loeb G70	Aug-11	Wed		Project work time	BREAK	<u>Tomaso Poggio: A theory of deep learning: explaining the approximation, optimization and generalization puzzles.</u>	LUNCH	<u>Tomaso Poggio: A theory of deep learning: explaining the approximation, optimization and generalization puzzles.</u>	BREAK	<u>Marge Livingstone: What art can tell us about the brain</u>	Tutorial: Benchmarking	Dinner	<u>Christof Koch: Consciousness</u>	Project work time		Social (location TBD)
Lecture: Lillie (9AM-5:30PM) Main Lab: Loeb G70 Kitchen: Loeb G70	Aug-12	Thurs		<u>Josh Tenenbaum: Computational models of cognition</u>	BREAK	<u>Josh Tenenbaum: Computational models of cognition</u>	LUNCH	Tutorial: Probabilistic Programming	BREAK	<u>Bob Desimone: Visual attention</u>	Project work time	Dinner	<u>Pietro Perona: Number sense as an emergent property of the manipulating brain</u>	Project work time		Activity
Lecture: Lillie (9AM-5:30PM) Main Lab: Loeb G70 Kitchen: Loeb G70	Aug-13	Friday		<u>Matt Wilson: Hippocampal mechanisms of memory and cognition</u>	BREAK	<u>Matt Wilson: Hippocampal mechanisms of memory and cognition</u>	LUNCH	Project work time	BREAK	Project work time	Project work time	Dinner	Project work time	Project work time		Zoom Talk
Lecture: Lillie (9AM-5:30PM) Main Lab: Loeb G70 Kitchen: Loeb G70	Aug-14	Sat		<u>Nancy Kanwisher: functional specificity of the human brain</u>	BREAK	<u>Nancy Kanwisher: functional specificity of the human brain</u>	LUNCH	Project work time	BREAK	<u>Emory Brown</u>	Project work time	Dinner	Project work time	Project work time		



