	Brains	, winds and	Machines Summer Course Morning	2021			Italics = invited Afternoon		Underligned = co	ontirmed				
MBL Rooms Rese	erved		9:15 - 10:30	10:30 -	10:45 - 12:00	12:00 -	1:30 - 2:45	2:45 - 3	3:00 - 4:30	4:30 - 6:00	6:00	8:00 - 9:00	9pm on	LEGEND
				10:45		1:30		00			8:00			_
	Aug-5	Thurs	Student/staff move in								Welcom	e reception		Lecture
Lecture: Lillie (9AM-5:30PM) Main Lab: Loeb G70 Kitchen: Loeb G70	Aug-6	Friday	MBL Orientation [45 minutes]	BREAK	Tommy Poggio: Introduction to CBMM Gabriel Kreiman: Introduction to the summer course		TA introductions and contact info	BREAK	Student introductions	Student introductions	Dinner	Project introductions	Project introductions	Seminar Talk: Lilli 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	Gabriel Kreiman: The brain's operating system	BREAK	<u>Gabriel</u> Kreiman: The brain's operating system	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	Jim DiCarlo: Visual recognition in primates	BREAK	Jim DiCarlo: Visual recognition in primates	LUNCH	Tutorial: Deep learning hands on II	BREAK	Tutorial: Deep learning hands on III	Tutorial: Psychophysics I	Dinner	Project discussion	Project discussion	Tutorial (Loeb 10)
Lecture: Lillie (9AM-5:30PM) Main Lab: Loeb G70 Kitchen: Loeb G70	Aug-10) Tues	Christof Koch: Neural observatories	BREAK	Christof Koch / Saskia de Vries: Leveraging the Allen Brain Observatory data sets	LUNCH	Tutorial: Psychophysics II	BREAK	Project work time	Project work time	Dinner	Jeff Lichtman: Connectomics At The Nano- and Petascale	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	Tomaso Poggio: A theory of deep learning: explaining the approximation optimization and generalization puzzles	LUNCH	Tomaso_ Poggio: A theory of deep_ learning: explaining the approximation_ optimization_ and_ generalization_ puzzles_	BREAK	Marge_ Livingstone: What art can tell us about the brain	Tutorial: Benchmarking	Dinner	Christof Koch: Consciousness	Project work time	Social (location TBD)
Lecture: Lillie (9AM-5:30PM) Main Lab: Loeb G70 Kitchen: Loeb G70	Aug-12	2 Thurs	Josh Tenenbaum: Computational models of cognition	BREAK	Josh Tenenbaum: Computational models of cognition	LUNCH	Tutorial: Probabilistic Programming	BREAK	Bob Desimone: Visual attention	Project work time	Dinner	Pietro Perona: Number sense as an emergent property of the manipulating brain	Project work time	Activity
Lecture: Lillie 9AM-5:30PM) Main Lab: Loeb 370 Kitchen: Loeb 370	Aug-13	8 Friday	Matt Wilson: Hippocampal mechanisms of memory and cognition	BREAK	Matt Wilson: Hippocampal mechanisms of memory and cognition	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	Nancy Kanwisher: functional specificity of the human brain_	BREAK	Nancy_ Kanwisher:_ functional_ specificity of the human brain_		Project work time	BREAK	Emory Brown	Project work time	Dinner	Project work time	Project work time	

	Brains	, Minds and	Machines Summer Course	2021			Italics = invited		Underligned = co	onfirmed				
			Morning				Afternoon							
IBL Rooms Rese	erved		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
ecture: Lillie 9AM-5:30PM) 4ain Lab: Loeb 670 6itchen: Loeb 670	Aug-15	5 Sun	Andrei Barbu and Boris Katz: Language	BREAK	Andrei Barbu and Boris Katz: Language	LUNCH	Project work time	BREAK	Project work time	Project work time	Dinner	Project work time	Project work time	
ecture: Lillie 9AM-5:30PM) 1ain Lab: Loeb 70 iitchen: Loeb 970	Aug-16	6 Mon	Haim Sompolinsky: Computational Neuroscience	BREAK	Project work time	LUNCH	Tutorial: TDW simulation engine (Lillie)	BREAK	Thomas Serre: What are the computations underlying primate versus machine vision?	Project work time	Dinner	NOTE: 7PM: Massey lecture: Botvinik [Joint MCN/BMM]	MBL to host reception in Meigs Room	
ecture: Lillie 9AM-5:30PM) Main Lab: Loeb 670 Sitchen: Loeb 670	Aug-17	'Tues	Martha's Vineyard Trip							Return from Martha's Vineyeard	Dinner	Project work time	Project work time	
ecture: Lillie 9AM-5:30PM) 4ain Lab: Loeb 370 Sitchen: Loeb 670	Aug-18	3 Wed	Winrich Freiwald: Faces and social interactions	BREAK	Josh McDermott: Auditory cortex	LUNCH	Lorenzo Rosasco: Machine learning 1	BREAK	Lorenzo Rosasco: Machine learning 2	Project work time	Dinner	Industry evening: Phil Nelson (Google). in- person;Lillie Auditorium	After-talk reception in Swope Lower Terrace Tent	
ecture: Lillie 9AM-5:30PM) 4ain Lab: Loeb 670 670 670	Aug-19) Thurs	CBMM Retreat	BREAK	CBMM Retreat	LUNCH	CBMM Retreat	BREAK	CBMM Retreat	CBMM Retreat	Dinner	Movie Night (Speck Auditorium)	Movie Night (Speck Auditorium)	
Lecture: Lillie 9AM-5:30PM) Aain Lab: Loeb 370 Kitchen: Loeb 370	Aug-20) Friday	Project work time	BREAK	Project work time	LUNCH	Project work time	BREAK	Discussion Panel: The Ethics of Artificial Intelligence.	Project work time	Dinner	Project work time	Project work time	
ecture: Lillie 9AM-5:30PM) Jain Lab: Loeb 370 Jitchen: Loeb 370	Aug-21	Sat	Team Challenge - Boat building (tent ouside Loeb)	BREAK	Team Challenge - Boat building (tent ouside Loeb)	LUNCH (venue: tent outside Loeb; food catering from outside vendors)	Team Challenge - Boat competition (Stony beach)	BREAK	Team Challenge - Boat competition (Stony beach)	Project work time	Dinner	Project work time	Project work time	
ecture: Lillie 9AM-5:30PM) Jain Lab: Loeb 670 Kitchen: Loeb 670	Aug-22	2 Sun	Project work time	BREAK	Project work time	LUNCH	Project work time	BREAK	Stefanie Tellex: Robotics	Project work time	Dinner	Project work time	Project work time	
ecture: Lillie 9AM-5:30PM) 1ain Lab: Loeb 970 1itchen: Loeb 970	Aug-23	8 Mon	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	
ecture: Lillie 9AM-5:30PM) Main Lab: Loeb 670 Kitchen: Loeb 670	Aug-24	Tue	Gemma Boat Trip	BREAK	Student Presentations	LUNCH	Student Presentations	BREAK	Student Presentations	Student Presentations	Dinner	Project work time	Project work time	

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				Morning				Afternoon							
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Lecture: Lillie (9AM-5:30PM) Main Lab: Loeb G70 Kitchen: Loeb G70	Aug-25	i Wed		Project work time		Student Presentations		Student Presentations	BREAK	Student Presentations		Closing Swope 1	Reception 6-9pm Terrace		
	Aug 26th			Student/Staff Move out		Bike pickup 11an	n								