

Date	Topic	Teacher	Block	Method	Room	
1ST WEEK						
Tuesday, 29 September 2015	930 - 1130	1 - Course introduction. Life: energy, homoeostasis, control, development	Fesce	Body at Work 1	L	1
	1130 - 1330					
	1430 - 1630	2 - The internal milieu: transport metabolism, dynamic equilibrium	Fesce	Body at Work 1	L	1
	1630 - 1700	Introduction of the Semester	Office for medical education			1
Wednesday, 30 September 2015	930 - 1130					
	1130 - 1330	3 - Control: regulation and change, internal mechanisms and receptors	Fesce	Body at Work 1	L	1
	1430 - 1630					
	1630 - 1830					
Thursday, 01 October 2015	930 - 1130					
	1130 - 1330					
	1430 - 1630					
	1630 - 1830					
Friday, 02 October 2015	930 - 1130					
	1130 - 1330					
	1430 - 1630					

Date	Topic	Teacher	Block	Method	Room	
2nd WEEK						
Monday 05 October 2015	930 - 1130	4 - Regulation: mechanisms, signal transduction and time scales,	Fesce	Body at Work 1	L	1
	1130 - 1330	Intoduction to the course	Bonecchi/ Garlanda/kallikourdis/Ass elta	MOD	L	1
	1430 - 1630	5 - Fine tuning: set point, affinity, capacity, velocity the case of calcium	Fesce	Body at Work 1	L	1
	1630 - 1830					
Tuesday 06 October 2015	930 - 1130	Mechanisms of cellular adaptation	Bonecchi	MOD	L	1
	1130 - 1330					
	1430 - 1630					
	1630 - 1830					
Wednesday 07 October 2015	930 - 1130	6 - The organism: distribution, differentiation, vital cycle	Fesce	Body at Work 1	L	1
	1130 - 1330	7 - Electricity	Cozzi	Body at Work 1	L	1
	1330 - 1430	Feedback valuation				
	1630 - 1830					
Thursday 08 October	930 - 1130	8 - Electricity 2	Cozzi	Body at Work 1	L	1
	1130 - 1330					

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2015	1430 - 1630					
Friday 09 October 2015	930 - 1130	9 - Electricity 3	Cozzi	Body at Work 1	L	1
	1130 - 1330	Mechanisms of cellular injury leading to human diseases	Bonecchi	MOD	L	1
	1430 - 1630					
	1630 - 1830					
3rd WEEK						
Monday, 12 October 2015	930 - 1130	10 - Response, adaptation, change The control systems: endocrine vs. neural	Fesce	Body at Work 1	L	1
	1130 - 1330					
	1430 - 1630	11 - Cellular bioelectricity: electrochemical potentials, resting potential	Fesce	Body at Work 1	L	1
	1630 - 1830					
Tuesday, 13 October 2015	930 - 1130	A brief history of microbiology/Infection, infectious diseases and	Garlanda	MOD	L	1
	1130 - 1330					
	1430 - 1630					
	1630 - 1830					
Wednesday,	930 - 1130	12 - Cellular excitability: the action potential	Fesce	Body at Work 1	L	1
	1130 - 1330					

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14 October 2015	1430 - 1630					
	1630 - 1830					
Thursday, 15 October 2015	930 - 1130					
	1130 - 1330	Origin of innate immune cells: hematopoiesis	Bonecchi	MOD	L	1
15 October 2015	1430 - 1630					
	1630 - 1830					
Friday, 16 October 2015	930 - 1130	Cell structure and function: prokaryotic and eukaryotic cells/ Microscopy and staining	Garlanda	MOD	L	1
	1130 - 1330					
	1430 - 1630					
	1630 - 1830					
4th week						
Monday, 19 October 2015	930 - 1130	¹³ - Receptor cells: sensory transduction and receptor potential	Fesce	Body at Work 1	L	1
	1130 - 1330	Cells of innate immunity	Bonecchi	MOD	L	1
	1430 - 1630	¹⁴ - Intercellular communication: junctions and synapses; the neuromuscular junction	Fesce	Body at Work 1	L	1
	1630 - 1830					
	930 - 1130	The acute inflammatory response	Mantovani	MOD	L	1

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Tuesday, 20 October 2015	1130 - 1330	Classification/Microbial nutrition and growth	Garlanda	MOD	L	1
	1430 - 1630					
	1630 - 1830					
Wednesday 21 October 2015	930 - 1130	¹⁵ - Neurotransmitter receptors: bioelectrical and biochemical responses	Fesce	Body at Work 1	L	1
	1130 - 1330	Feedback Portfolio	Barajon/Zavalloni			1
	1430 - 1630					
	1630 - 1830					
Thursday, 22 October 2015	930 - 1130	Pathogen recognition in innate immunity	Mantovani	MOD	L	1
	1130 - 1330					
	1430 - 1630					
Friday, 23 October 2015	930 - 1130	¹⁶ - Neurotransmitters: the chemical language of nervous system	Bussolino	Body at Work 1	L	1
	1130 - 1330					
	1430 - 1630	¹⁷ - Neurotransmitters: the chemical language of nervous system II	Bussolino	Body at Work 1	L	1
	1630 - 1830					
5th week						

Date		Topic	Teacher	Block	Method	Room
Monday, 26 October 2015	930 - 1130	18 - Neuronal computation: spatial/temporal summation, nonlinear	Fesce	Body at Work 1	L	1
	1130 - 1330	19 - Sensory receptors / Sensory modalities	Barajon/Fesce	Body at Work 1	L	1
	1430 - 1630	20 - Neuronal plasticity: cellular mechanisms, properties, functions	Fesce	Body at Work 1	L	1
	1630 - 1830					
Tuesday, 27 October 2015	930 - 1130	21 - Ascending pathways	Barajon	Body at Work 1	L	1
	1130 - 1330	22 - Organization and dynamics of synaptic scaffolding proteins	Bussolino	Body at Work 1	L	1
	1430 - 1630	23 - Supra-axial sensory paths	Barajon	Body at Work 1	L	1
	1630 - 1830					
Wednesday 28 October 2015	930 - 1130	Controlling microbial growth in the environment and in the body	Garlanda	MOD	L	1
	1130 - 1330	Soluble mediators of inflammation	Bonecchi	MOD	L	1
	1430 - 1630					
	1630 - 1830					
Thursday, 29 October 2015	930 - 1130					
	1130 - 1330					
	1430 - 1630					
	930 - 1130	Acute phase reaction and systemic inflammation	Mantovani	MOD	L	1

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Friday, 30 October 2015	1130 - 1330	Pathogen killing	Bonecchi	MOD	L	1
	1430 - 1630					
	1630 - 1830					
6th week						
Monday, 02 November 2015	930 - 1130	24 - Touch and pain, discriminative somatosensory perception and nociception	Fesce	Body at Work 1	L	1
	1130 - 1330	25 - Chemoceptors, smell and taste	Barajon	Body at Work 1	L	1
	1430 - 1630	26 - Chemoceptors, smell and taste	Fesce	Body at Work 1	L	1
	1630 - 1830					
Tuesday, 03 November 2015	930 - 1130	27 - Waves and sound 1	Cozzi	Body at Work 1	L	1
	1130 - 1330	28 - The structure of the ear	Barajon	Body at Work 1	L	1
	1430 - 1630	29 - Waves and sound 2	Cozzi	Body at Work 1	L	1
	1630 - 1830	30 - The inner ear	Barajon	Body at Work 1	L	1
Wednesday, 04 November 2015	930 - 1130	31 - Optics 1	Cozzi	Body at Work 1	L	1
	1130 - 1330	32 - Hearing and sound processing	Fesce	Body at Work 1	L	1
	1430 - 1630	33 - Optics 2	Cozzi	Body at Work 1	L	1

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	1630 - 1830					
Thursday, 05 November 2015	930 - 1130	³⁴ - The eye, structure and function	Barajon	Body at Work 1	L	1
	1130 - 1330	Characterizing and classifying prokaryotes	Garlanda	MOD	L	1
	1430 - 1630	<u>PBL GRANULOMATOSI APERTURA 1° group</u>	SOLDI	Mod	PBL	1
	1430 - 1630	<u>PBL GRANULOMATOSI APERTURA 2° group</u>	LLEO	Mod	PBL	1
	1430 - 1630	<u>PBL GRANULOMATOSI APERTURA 3° group</u>	PACETTI	Mod	PBL	2
	1430 - 1630	<u>PBL GRANULOMATOSI APERTURA 4° group</u>	GENERALI	Mod	PBL	3
	1430 - 1630	<u>PBL GRANULOMATOSI APERTURA 5° group</u>	CORNEGLIANI	Mod	PBL	8
	1430 - 1630	<u>PBL GRANULOMATOSI APERTURA 6° group</u>	BRUNETTA	Mod	PBL	9
	1430 - 1630	<u>PBL GRANULOMATOSI APERTURA 7° group</u>	MEDA	Mod	PBL	10
	1430 - 1630	<u>PBL GRANULOMATOSI APERTURA 8° group</u>	FIORINO	Mod	PBL	12
1430 - 1630	<u>PBL GRANULOMATOSI APERTURA 9° group</u>	BRUNO	Mod	PBL	BLD 2- Auditorium- SALA C	
Friday, 06 November 2015	930 - 1130	³⁵ - The retina	Barajon	Body at Work 1	L	1
	1130 - 1330	³⁶ - Photoelectric transduction	Bussolino/Fesce	Body at Work 1	L	1
	1430 - 1630	³⁷ - Photoelectric transduction	Bussolino/Fesce	Body at Work 1	L	1

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	1630 - 1830					
7th week						
Monday, 09 November 2015	930 - 1130	³⁸ - Retina: circuits and image processing	Fesce	Body at Work 1	L	1
	1130 - 1330	³⁹ - Anatomy of the visual paths and cortex	Barajon	Body at Work 1	L	1
	1430 - 1630	⁴⁰ - Image processing from the retina to the brain: detail, contrast, colour, movement	Fesce	Body at Work 1	L	1
	1630 - 1830					
Tuesday 10 November 2015	930 - 1130	Epigenetics: principal mechanisms and factors	Asselta	MOD	L	1
	1130 - 1330	Chemokines and leukocyte recruitment	Bonecchi	MOD	L	1
	1430 - 1630					
	1630 - 1830					
Wednesday,	930 - 1130	⁴¹ - What is it? / Where is it? the ventral and dorsal visual paths in the cortex	Fesce	Body at Work 1	L	4
	1130 - 1330					
	1430 - 1630	<u>PBL GRANULOMATOSI CHIUSURA 1° group</u>	SOLDI	Mod	PBL	1
	1430 - 1630	<u>PBL GRANULOMATOSI CHIUSURA 2° group</u>	LLEO	Mod	PBL	1
	1430 - 1630	<u>PBL GRANULOMATOSI CHIUSURA 3° group</u>	PACETTI	Mod	PBL	2
	1430 - 1630	<u>PBL GRANULOMATOSI CHIUSURA 4° group</u>	GENERALI	Mod	PBL	3

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11 November 2015	1430 - 1630	<u>PBL GRANULOMATOSI CHIUSURA 5° group</u>	CORNEGLIANI	Mod	PBL	12
	1430 - 1630	<u>PBL GRANULOMATOSI CHIUSURA 6° group</u>	BRUNETTA	Mod	PBL	10
	1430 - 1630	<u>PBL GRANULOMATOSI CHIUSURA 7° group</u>	MEDA	Mod	PBL	S5
	1430 - 1630	<u>PBL GRANULOMATOSI CHIUSURA 8° group</u>	FIORINO	Mod	PBL	S6
	1430 - 1630	<u>PBL GRANULOMATOSI CHIUSURA 9° group</u>	BRUNO	Mod	PBL	S7
	1630 - 1830	MEETING WITH THE EXPERT		Mod	PBL	1
Thursday, 12 November 2015	930 - 1130	42 - Vestibular organs and neural pathways	Barajon	Body at Work 1	L	1
	1130 - 1330					
	1430 - 1630					
	1630 - 1830					
Friday, 13 November 2015	930 - 1130	Characterizing and classifying eukaryotes	Garlanda	MOD	L	1
	1130 - 1330	45 - Movement control: descending pathways	Barajon	Body at Work 1	L	1
	1430 - 1730					
	1430 - 1730					
	1431 - 1730					
	1430 - 1730					

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	1430 - 1730					
8th Week						
Monday, 16 November 2015	930 - 1030	43 - Proprioceptive systems, muscle spindles, joint and tendon receptors	Fesce	Body at Work 1	L	1
	1030 - 1330	Epigenetics: principal mechanisms and factors	Asselta	MOD	L	1
	1430 - 1630	44 - Vestibular information, balance, posture and gaze control	Fesce	Body at Work 1	L	1
	1630 - 1830					
Tuesday, 17 November 2015	930 - 1130	Tissue repair and fibrosis	Mantovani	MOD	L	1
	1130 - 1330					
	1630 - 1830	46 - Neural metabolism: energetics and glia	Bussolino	Body at Work 1	L	1
Wednesday, 18 November 2015	930 - 1130	47 - The hierarchical motor system CPGs, locomotion, posture	Fesce	Body at Work 1	L	1
	1130 - 1330					
	1430 - 1630	48 - Cerebellum	Barajon	Body at Work 1	L	1
	930 - 1130					

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Thursday, 19 November 2015	1130 - 1330	Characterizing and classifying viruses, viroids and prions	Garlanda	MOD	L	1
	1500 - 1800	Portfolio: CMAPS collaborative learning group 1			C-maps	1
	1500 - 1800	Portfolio: CMAPS collaborative learning group 2			C-maps	1
	1500 - 1800	Portfolio: CMAPS collaborative learning group 3			C-maps	1
	1500 - 1800	Portfolio: CMAPS collaborative learning group 4			C-maps	5-6
	1500 - 1800	Portfolio: CMAPS collaborative learning group 5			C-maps	8
	1500 - 1800	Portfolio: CMAPS collaborative learning group 6			C-maps	9
	1500 - 1800	Portfolio: CMAPS collaborative learning group 7			C-maps	10
	1500 - 1800	Portfolio: CMAPS collaborative learning group 8			C-maps	12
Friday, 20 November 2015	930 - 1130					
	1130 - 1330					
	1430 - 1630	⁴⁹ - Basal ganglia	Barajon	Body at Work 1	L	1
	1630 - 1830					
9th Week						
	930 - 1130	⁵⁰ - The cerebellum as a learning servo control that may take con	Fesce	Body at Work 1	L	1

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Monday, 23 November 2015	1130 - 1330	Epigenetic regulation during development	Asselta	MOD	L	1
	1430 - 1630	⁵¹ - The basal ganglia as a brain servo-control	Fesce	Body at Work 1	L	1
	1630 - 1830					
Tuesday, 24 November 2015	930 - 1130	ACADEMIC YEAR INAUGURATION				
	1130 - 1330					
	1430 - 1630	⁵² - Motors and force generation in cells	Bussolino	Body at Work 1	L	1
	1630 - 1830					
Wednesday, 25 November 2015	930 - 1130	⁵³ - Blood brain barrier and additional subjects	Fesce	Body at Work 1	L	1
	1130 - 1330					
	1430 - 1630					
	1630 - 1830					
Thursday, 26 November 2015	930 - 1130	⁵⁴ - Brain vascularization	Barajon	Body at Work 1	L	1
	1130 - 1330					
	1430 - 1630					
	1630 - 1830					
	930 - 1130					

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Friday, 27 November 2015	1130 - 1330					
	1430 - 1630					
	1630 - 1830					
10th Week						
Monday, 30 November 2015	930 - 1130	⁵⁵ - Excitation/contraction coupling in skeletal, cardiac, smooth muscle	Fesce	Body at Work 1	L	1
	1130 - 1330	<u>PBL MICRO APERTURA 1° group</u>	CERIBELLI	Mod	PBL	1
	1430 - 1630					
	1630 - 1830	<u>PBL MICRO APERTURA 9° group</u>	INTELLIGENTE (Dr.ssa Paiardi)	Mod	PBL	1
Tuesday, 01 December 2015	930 - 1130					
	1130 - 1330					
	1430 - 1630	<u>PBL MICRO APERTURA 2° group</u>	MIRANI (Dr.ssa Cioccarelli)	Mod	PBL	1
	1430 - 1630	<u>PBL MICRO APERTURA 3° group</u>	INVERNIZZI	Mod	PBL	9
	1430 - 1630	<u>PBL MICRO APERTURA 4° group</u>	BOTTONI	Mod	PBL	8
	1430 - 1630	<u>PBL MICRO APERTURA 5° group</u>	CAPRETTI	Mod	PBL	2

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	1430 - 1630	PBL MICRO APERTURA 6° group	ZUCALI Dr.ssa Zuradelli)	Mod	PBL	3
	1430 - 1630	PBL MICRO APERTURA 7° group	CAPPELLERI	Mod	PBL	12
	1430 - 1630	PBL MICRO APERTURA 8° group	ZAVALLONI	Mod	PBL	5_6
	1630 - 1830					
Wednesday 02 December 2015	930 - 1130	⁵⁶ - Isometric and isotonic contraction	Fesce	Body at Work 1	L	1
	1130 - 1330					
	1430 - 1630	⁵⁷ - Bases of the neurological exam 1 group A		Body at Work 1	PRACTIC	1
	1630 - 1830	⁵⁸ - Bases of the neurological exam 1 group B		Body at Work 1	PRACTIC	1
Thursday, 03 December 2015	930 - 1130	X-inactivation and sex determination	Asselta	MOD	L	1
	1130 - 1330					
	1430 - 1630	⁵⁹ - Bases of the neurological exam 1 group C		Body at Work 1	PRACTIC	1
	1630 - 1830	⁶⁰ - Bases of the neurological exam 1 group D		Body at Work 1	PRACTIC	1
Friday, 04 December 2015	930 - 1130					
	1130 - 1330					
	1430 - 1630	⁶¹ - Practical body at work 1		Body at Work 1	PRACTIC	Pc Room

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	1630 - 1830					
11th Week						
Wednesday, 09 December 2015	930 - 1130	62 - Motor units, recruitment, cooperation/antagonism	Fesce	Body at Work 1	L	1
	1130-1330					
	1330-1530	63 - Practical body at work 1		Body at Work 1	PRACTIC	Pc Room
	1530 - 1730	64 - Practical body at work 1		Body at Work 1	PRACTIC	Pc Room
Thursday, 10 December 2015	930 - 1130	65 - Tutorial 1	Cozzi	Body at Work 1	TUTORIA	1
	1130 - 1330	66 - Extracellular matrix and connective tissues	Bussolino	Body at Work 1	L	1
	1430 - 1630	67 - Bone	Bussolino	Body at Work 1	L	1
	1630 - 1830	<u>PBL MICRO CLOSE 3° group</u>	INVERNIZZI	Mod	PBL	1
Friday, 11 December	930 - 1130					
	1130 - 1330					
	1430 - 1630	<u>PBL MICRO CLOSE 1° group</u>	CERIBELLI	Mod	PBL	1
	1430 - 1630	<u>PBL MICRO CLOSE 2° group</u>	MIRANI	Mod	PBL	1
	1430 - 1630	<u>PBL MICRO CLOSE 4° group</u>	BOTTONI	Mod	PBL	3
	1430 - 1630	<u>PBL MICRO CLOSE 5° group</u>	CAPRETTI	Mod	PBL	2

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2015	1430 - 1630	<u>PBL MICROCLOSE 6° group</u>	ZUCALI	Mod	PBL	9
	1430 - 1630	<u>PBL MICROCLOSE 7° group</u>	CAPPELLERI	Mod	PBL	8
	1430 - 1630	<u>PBL MICROCLOSE 8° group</u>	ZAVALLONI	Mod	PBL	5_6
	1430 - 1630	<u>PBL MICROCLOSE 9° group</u>	INTELLIGENTE	Mod	PBL	12
	1630 - 1830	MEETING WITH THE EXPERT				1
12th Week						
Monday, 14 December 2015	930 - 1130	Mitochondrial diseases	Asselta	MOD	L	1
	1130 - 1330					
	1430 - 1630	Porfolio: CMAPS collaborative learning			CMAPS	1
	1430 - 1630	Porfolio: CMAPS collaborative learning			CMAPS	1
	1430 - 1630	Porfolio: CMAPS collaborative learning			CMAPS	2
	1430 - 1630	Porfolio: CMAPS collaborative learning			CMAPS	3
	1430 - 1630	Porfolio: CMAPS collaborative learning			CMAPS	5-6
	1430 - 1630	Porfolio: CMAPS collaborative learning			CMAPS	8
	1430 - 1630	Porfolio: CMAPS collaborative learning			CMAPS	9
	1430 - 1630	Porfolio: CMAPS collaborative learning			CMAPS	12

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Tuesday, 15 December 2015	930 - 1130					
	1130 - 1330					
	1430 - 1630	⁶⁸ - Bases of the neurological exam 2 group B		Body at Work 1	PRACTIC	1
	1630 - 1830	⁶⁹ - Bases of the neurological exam 2 group A		Body at Work 1	PRACTIC	1
Wednesday, 16 December 2015	930 - 1130					
	1130 - 1330					
	1330 - 1530	⁷⁰ - Proctical body at work 1	Fesce	Body at Work 1	PRACTIC	Pc Room
	1530 - 1730	⁷¹ - Practical body at work 1	Fesce	Body at Work 1	PRACTIC	Pc Room
Thursday, 17 December 2015	930 - 1130					
	1130 - 1330					
	1430 - 1630	⁷² - Bases of the neurological exam 2 group D		Body at Work 1	PRACTIC	1
	1630 - 1830	⁷³ - Bases of the neurological exam 2 group C		Body at Work 1	PRACTIC	1
Friday, 18 December 2015	930 - 1130	Farmacogenomics and farmacogenetics	Asselta	MOD	L	1
	1130 - 1330					
	1430 - 1630	⁷⁴ - Practical body at work 1	Fesce	Body at Work 1	PRACTIC	Pc Room
	1630 - 1830					