

**Biomedical Sciences Lab Summer School**  
**Draft Programme 2024 - subject to change**  
**Sunday 7 July to Saturday 27 July 2024**

Key:	Social Activity	Academic Session
	Excursion	Meal times



Week 1								
Day	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
Date	07-Jul	08-Jul	09-Jul	10-Jul	11-Jul	12-Jul	13-Jul	
Breakfast	Breakfast provided in residence 8:00-9:30							
AM session 9.30am-1pm <i>An introduction to biomedical science techniques</i>	Arrivals Day	Programme introduction, safety, ice-breakers Venue: TBC Dr Kiah Tasman <b>(10.00am – 12.00pm)</b>	Introduction to Human Neuroscience; Nerve Conduction TL 3.10 Lead: Dr Nadia Ceminara	Introduction to pharmacology; Quantifying drug action TL4.1 Lead: TBC	Introduction to the Respiratory Physiology TL 3.10 Lead: Dr Zoe Palmer	Introduction to Neuroanatomy TL3.10 Lead: Dr Dan Baumgart	Day trip to Oxford	
Lunch 1-2pm		Lunch break 1-2pm (no lunch provided)						
PM session 2-5pm <i>An introduction to biomedical science techniques</i>		Introduction to Physiology- Homeostasis in action TL3.10 Lead: Dr Zoe Palmer	Introduction to Histology; tissues of the body TL2.2 Lead: TBC	Introduction to Immunology – PHARM TL 4.14 Lead: Dr Bronwen Burton	Introduction to Biochemistry; pH and buffers TL5.1 Lead: Dr Kara van Aelst	Introduction to Comparative Neurophysiology; Cockroach Stimulation TL 3.10 Lead: Dr Andy Doherty		
Dinner	Dinner provided in residence 6:00-7:30pm							
Evening	Welcome and Orientation 6.00pm	Clifton Suspension Bridge	Free Evening	Locked in a Room	Free Evening	Free Evening	Free Evening	

Week 2									
Day	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday		
Date	14-Jul	15-Jul	16-Jul	17-Jul	18-Jul	19-Jul	20-Jul		
Breakfast	Breakfast provided in residence 8:00-9:30								
AM session 9.30am-1pm <i>Exploring the systems of the body</i>	Free Day	Introduction to Microbiology TL 4.14 Lead: Dr Isabel Murillo Cabeza	(9.30am) Quiz 1 TL2.2 (10am) Techniques in Microbiology follow-up TL4.14 Lead: Dr Isabel Murillo Cabeza	Excursion to Berkley Castle and Edward Jenner's House	(10.30 am) The Study of Sleep Sleep labs, CRIC, 60 St Michael's Hill Lead: Dr Clare Durant  Lab visits	Recombinant DNA Technology TL5.1 Lead: Dr Jamie Littlejohn	Day trip to Bath		
Lunch 1-2pm		Lunch break 1-2pm (no lunch provided)							
PM session 2-5pm <i>Exploring the systems of the body</i>		Diagnosis of Diabetes TL 5.1 Lead: Dr Jamie Littlejohn	Research Symposium Venue: TBC  Faculty talks 2-3.30pm  Coffee and Cake 3.30-4pm  PGR talks 4-5pm		Lab visits or Statistics for Human Data TL 3.1 Lead: Dr Kiah Tasman OR Free time to work on portfolios	Recombinant DNA technology TL 5.1 Lead: Dr Jamie Littlejohn			
Dinner	Dinner provided in residence 6:00-7:30pm								
Evening	Free Evening	Free Evening	Free Evening	Free Evening	BBQ and Garden Games	Free Evening	Free Evening		

Week 3								
Day	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
Date	21-Jul	22-Jul	23-Jul	24-Jul	25-Jul	26-Jul	27-Jul	
Breakfast	Breakfast provided in residence 8:00-9:30							
AM session 9.30am-1pm <i>Clinical and scientific inquiry</i>	Free Day	Comparison of normal and diseased lungs - PHARM TL 4.14 Lead: Dr Chris Williams	(9.30am) Quiz 2 TL2.2 (10 am) Integrative physiology lab project introduction – TL3.10 Lead: Dr Kiah Tasman	Integrative physiology lab project TL 3.10 Lead: Dr Kiah Tasman	Integrative physiology lab project presentation preparation TL 3.10 Lead: Dr Kiah Tasman	Wrap-up/feedback Venue: TBC Careers and Postgraduate Opportunities (10-11)  Bristol Summer quiz, feedback and certificates (11-12)	Departures Day	
Lunch 1-2pm		Lunch break (no lunch provided)						
PM session 2-5pm <i>Clinical and scientific inquiry</i>		Measurement of drug action on isolated blood vessels TL 4.14 Lead: Dr Steve Fitzjohn	Integrative physiology lab project TL3.10 Lead: Dr Kiah Tasman	Integrative physiology lab project: Statistics and Analysis TL 3.10 Lead: Dr Kiah Tasman	Integrative physiology lab project oral presentations TL 3.10 Lead: Dr Kiah Tasman	Free time		
Dinner	Dinner provided in residence 6:00-7:30pm							
Evening	Free Evening	Ceilidh	Free Evening	Free Evening	Flight Club and Dinner Out	Free Evening		