

2nd Cycle - A semester
2022-2023

Module Code	Module Title	Prof	Lesson Code	Topics	Lecturer/Διδάσκων	Tutor/Εισηγητής	Date	Hours		
CGT 101	Introduction to C> GMP	Prof. A Spyridonidis	CGT 101/T1	Welcome and syllabus	Alexandros Spyridonidis (L)	Alexandros Spyridonidis	05 October 2022	17:00-19:00		
			CGT 101/T2	Introduction to cell and gene therapies (C>)	Alexandros Spyridonidis (L)	Eyal Neria (T)		19:00-21:00		
			CGT 101/T3	Basic principles of GMP Part 1	Gerhard Bauer(L)	Gerhard Bauer(L)	06 October 2022	17:00-19:00		
			CGT 101/T4	Basic principles of GMP Part 2	Gerhard Bauer(L)	Gerhard Bauer(L)		19:00-21:00		
			CGT 101/T5	The International Council for Harmonization of Technical Requirements for Pharmaceuticals for Human Use (ICH) Q8-Q12	Dimitris Chaniotis (L)	Chaya Mazouz(T)	12 October 2022	17:00-19:00		
			CGT 101/T6	Technologies for C>/ATMP Manufacturing	Dimitris Chaniotis (L)	Gilad Beck (T)		19:00-21:00		
			CGT 101/T7	Challenges of C>/ATMP Manufacturing	Anastasios Kriebardis (L)	Chaya Mazouz(T)	13 October 2022	17:00-19:00		
			CGT 101/T8	POCare Manufacturing	Anastasios Kriebardis (L)	Vered Caplan (T)		19:00-21:00		
			CGT 101/T9	Elements of the Quality Management System (QMS) and QP role	Gerhard Bauer(L)	Vincent Vadamme (T)	19 October 2022	17:00-19:00		
			CGT 101/T10	Case study	Gerhard Bauer(L)	Gerhard Bauer(L)		19:00-21:00		
			CGT 101/T11					20 October 2022	17:00-21:00	
CGT 102	Biological aspects of C> / Basic cell biology	Ass. Prof. A. Kriebardis	CGT 102/T1	Cell signaling with focus on T cell signaling	Konstantina Nika (L)	Konstantina Nika (L)	26 October 2022	17:00-19:00		
			CGT 102/T2	Cells life cycle, cell death, aging and senescence, differentiation	Zoi Lygerou(L)	Zoi Lygerou(L)		19:00-21:00		
			CGT 102/T3	Stem cells	Adriana kotini(L)	Adriana kotini(L)	27 October 2022	17:00-19:00		
			CGT 102/T4	Case studies of cell types (MSCs, immune cells, stem cells)	Stavros Taraviras(L)	Stephen Minger (T)		19:00-21:00		
			CGT 102/T5	Then immune system and the immune escape of cancer	Athanasia Mouzaki(L)	Athanasia Mouzaki(L)	02 November 2022	17:00-19:00		
			CGT 102/T6	Cells and tissue culture basics, cells life cycle	Konstantina Nika(L)	Katsila (T)		19:00-21:00		
			CGT 102/T7	Viruses and viral vectors, non viral gene therapies	Athanasia Aglaia(L)	Reem Miari (T)	03 November 2022	17:00-21:00		
			CGT 102/T8	Case studies of gene therapies (viral vectors, non-viral vectors)	Athanasia Mouzaki(L)	Nicoleta Psatha (T)		19:00-21:00		
			CGT 102/T9	EXAMS 101-102				09 November 2022	17:00-21:00	
CGT 103	C> Regulation	Prof. A Spyridonidis	CGT 103/T1	The regulatory authorities (FDA, EMA) and the regulatory review pathways (IND to BLA; IMPD to MAA)	Alexandros Spyridonidis (L)	Chaya Mazouz(T)	10 November 2022	17:00-19:00		
			CGT 103/T2	ATMP (EU) legislation – an overview	Alexandros Spyridonidis (L)	Heiko Von Der Leyen (T)		19:00-21:00		
			CGT 103/T3	CGT (FDA) guidance - an overview	Sagi Nahum (L)	Chaya Mazouz(T)	16 November 2022	17:00-19:00		
			CGT 103/T4	Expedited programs, orphan drug and Hospital Exemption	Sagi Nahum (L)	Chaya Mazouz(T)		19:00-21:00		
			CGT 103/T5	Medical device regulations PMA/MDR	Sagi Nahum (L)	Miri Sani(T)	23 November 2022	17:00-19:00		
			CGT 103/T6	Cell & Gene Therapy Quality/ CMC considerations	Sagi Nahum (L)	Sagi Nahum (L)		19:00-21:00		
			CGT 103/T7	Submitting a file for GMP Facility authorization	Dimitris Chaniotis (L)	Vincent Vadamme (T)	24 November 2022	17:00-19:00		
			CGT 103/T8	Real World Data	Dimitris Chaniotis (L)	Chaya Mazouz(T)		19:00-21:00		
			CGT 103/T9	Case study	Alexandros Spyridonidis (L)	Dimitris Mougiakakos(T)	30 November 2022	17:00-19:00		
			CGT 103/T10	EXAMS 103				01 December 2022	17:00-21:00	
CGT 104	Biostatistics and medical data analysis	Prof. E. Papageorgiou	CGT 104/T1	Population, sample and data collection	Efthimia Papageorgiou (L)	Georgios Katsouleas (L)	7 December 2022	17:00-19:00		
			CGT 104/T2	Descriptive statistic methodology using SPSS	Efthimia Papageorgiou (L)	Georgios Katsouleas (L)		19:00-21:00		
			CGT 104/T3	Survival outcomes (Kaplan–Meier, CI, competing risks)	Efthimia Papageorgiou (L)	Georgios Katsouleas (L)	08 December 2022	17:00-19:00		
			CGT 104/T4	Univariate comparisons	Efthimia Papageorgiou (L)	Georgios Katsouleas (L)		19:00-21:00		
			CGT 104/T5	Gray's statistic for cumulative incidence functions	Georgios Katsouleas (L)	Georgios Katsouleas (L)	14 December 2022	17:00-19:00		
			CGT 104/T6	Cox regression Multivariate analysis	Georgios Katsouleas (L)	Georgios Katsouleas (L)		19:00-21:00		
			CGT 104/T7	Data presentation of small and big data	Georgios Katsouleas (L)	Georgios Katsouleas (L)	15 December 2022	17:00-19:00		
			CGT 104/T8	EXAMS 104					21 December 2022	17:00-21:00
PRACTICAL MODULES										
Module Code	Module Title	Prof	Lesson Code	Topics	Lecturer	Tutor	Date	Hours		
CGT 102/P	Basic cell biology	Ass. Prof. A. Kriebardis	102/P1	Peripheral blood mononuclear cells isolation	Kriebardis, Fortis , Pavlou, Goulielmaki	Kriebardis, Fortis , Pavlou, Goulielmaki	22 October 2022	10.00-16.00		
			102/P2	Sample preparation for flow cytometry						
			102/P3	Analysis of data						
			102/P4	Protein Isolation	Kriebardis, Fortis , Pavlou, Goulielmaki	Kriebardis, Fortis , Pavlou, Goulielmaki			05 November 2022	10.00-16.00
			102/P5	Nanoparticle tracking analysis						
			102/P6							
CGT 101/P	Cell Production	Prof. A Spyridonidis	101/P1	Principles of cell production	Spyridonidis, Zacharioudaki, Kefala	Spyridonidis, Zacharioudaki, Kefala	3 December 2022	10.00-16.00		
			101/P2	the life cycle of a product						
			101/P3	Tracking/ Labelling						
CGT 103/P	Aseptic processing	Prof. A Spyridonidis	103/P1	Gowning and simulation						
			103/P2	Aseptic work and simulation						

2nd Cycle - B semester
2022-2023

Module Title	Prof	Lesson Code	Topics	Lecturer/Διδάσκων	Tutor/Εισηγητής	Date	Hours	Lesson or seminar		
From Development to GMP (Product life-cycle, Approval)	Prof. A Spyridonidis	CGT 201/T1	Biological aspects of cell & gene therapies	Alexandros Spyridonidis	Alexandros Spyridonidis	Wednesday, 22 February 2023	17:00-19:00	Lesson		
		CGT 201/T2	Technical aspects in viral vector CGMP Manufacture	Alexandros Spyridonidis	Nikolaos Savvopoulos	Thursday, 23 February 2023	17:00-19:00	Lesson		
		CGT 201/T6	Case study (TPP through TT)	Alexandros Spyridonidis	Dotan Uzi	Wednesday, 1 March 2023	17:00-19:00	Lesson		
		CGT 202/T1	Introduction to Analytical Development	Sagi Nahum	Sagi Nahum	Thursday, 2 March 2023	17:00-19:00	Lesson		
QC for CGT/Equipment Analytical Methods	Prof. A Spyridonidis	CGT 202/T8	The new EU Regulation on SoHO (Substances of Human Origin)	Alexandros Spyridonidis	Alexandros Spyridonidis	Wednesday, 8 March 2023	17:00-19:00	Lesson		
		CGT 202/T4	Supply Chain for CGTs	Alexandros Spyridonidis	Miri Sani	Wednesday, 8 March 2023	19:00-21:00	seminar		
		CGT 202/T5	How to get a CGT cell program started	Alexandros Spyridonidis	Dionisia Kefala	Thursday, 9 March 2023	17:00-19:00	Lesson		
		CGT 202/T6	How to get a GMP manufacturing authorization	Vasiliki Zacharioudaki	Vasiliki Zacharioudaki	Thursday, 9 March 2023	19:00-21:00	Lesson		
		CGT 202/T7	Case study (Analytical method qualification)	Alexandros Spyridonidis	Tamar Shatil	Wednesday, 15 March 2023	17:00-19:00	Lesson		
		CGT 202/T3	Qualification and validation of analytical and bioanalytical methods	Sagi Nahum	Sagi Nahum	Wednesday, 15 March 2023	19:00-21:00	Lesson		
		CGT 202/T9	Time off for assays			Thursday, 16 March 2023	17:00-21:00			
		CGT 203/T1	Current status and future of Cell Therapies	Themeli Maria	Themeli Maria	Wednesday, 22 March 2023	17:00-19:00	Lesson		
		CGT 203/T2	Current status and future of Gene Therapies	Nikoleta Psatha	Nikoleta Psatha	Wednesday, 22 March 2023	19:00-21:00	Lesson		
Preclinical and Clinical aspects in CTG	Prof. A Spyridonidis	CGT 203/T3	Pre-clinical studies design- Technology transfer	Alexandros Spyridonidis	Alexandros Spyridonidis	Thursday, 23 March 2023	17:00-19:00	Lesson		
		CGT 203/T4	Case study of Monitoring CGT Therapies & Related Methodologies Part I	Alexandros Spyridonidis	Memnon Lysandrou	Thursday, 23 March 2023	19:00-21:00	Lesson		
		CGT 203/T5	Introduction to clinical trials	Hatzimichail Eleftheria	Hatzimichail Eleftheria	Thursday, 23 March 2023	17:00-19:00	Lesson		
		CGT 203/T6	Principles of good clinical practice in gene and cell therapy trials and essential trial documents	Bettina Rohde + Anke Lührmann	Bettina Rohde + Anke Lührmann	Wednesday, 29 March 2023	19:00-21:00	Lesson		
		CGT 203/T7	How to monitor CGT treatments	Sandra Reuter	Sandra Reuter	Thursday, 30 March 2023	17:00-19:00	Lesson		
		CGT 203/T8	Case study of Monitoring CGT Therapies & Related Methodologies Part II	Alexandros Spyridonidis	Memnon Lysandrou	Thursday, 30 March 2023	19:00-21:00	Lesson		
		CGT 203/T10	Commercialized products in Cell and Gene Therapies	Eleni Gavrilaki	Eleni Gavrilaki	Wednesday, 5 April 2023	17:00-19:00	Lesson		
		CGT 203/T11	Time off for assays			Thursday, 6 April 2023				
		Scientific / Lab management	Ass. Prof. Zoumpoulakis	CGT 204/T1	Financial Accounting 1	Sofia Asonitou	Sofia Asonitou	Wednesday 26 April 2023	17:00-19:00	seminar
				CGT 204/T2	Financial Accounting 2	Sofia Asonitou	Sofia Asonitou	Wednesday 26 April 2023	19:00-21:00	seminar
				CGT 204/T3	Management Accounting	Sofia Asonitou	Sofia Asonitou	Thursday, 27 April 2023	17:00-19:00	seminar
CGT 204/T4	Developing research organizations			Sagi Nahum	Eyal Neria	Thursday, 27 April 2023	19:00-21:00	seminar		
CGT 204/T5	CGT RnD in RI/Academia versus Industry			Panagiotis Zoumpoulakis	Vivian Tseveleki	Wednesday, 3 May 2023	17:00-19:00	Lesson		
CGT 204/T6	Translational research Management Process			Panagiotis Zoumpoulakis	Chronis Fatouros	Wednesday, 3 May 2023	19:00-21:00	Lesson		
CGT 204/T7	Translational research Management Process Case studies			Panagiotis Zoumpoulakis	Chronis Fatouros	Thursday, 4 May 2023	17:00-19:00	Lesson		
CGT 204/T8	Challenges of getting CGTs into the Market			Panagiotis Zoumpoulakis	Evi Chatziandreu	Wednesday 10 May 2023	17:00-19:00	Lesson		
CGT 204/T9	Therapy pipeline management			Panagiotis Zoumpoulakis	Evi Chatziandreu	Wednesday 10 May 2023	19:00-21:00	Lesson		
CGT 204/T11	EXAMS 204					Wednesday 17 May 2023	18:00-21:00			
		CGT 204/T10	Secure Funding from Competitive RnD Programmes	Panagiotis Zoumpoulakis	Zoumpoulakis/Kyprioti Eugenia	Thursday 18 May 2023	17:00-19:00	Lesson		
		PRACTICAL MODULES								
		Lesson Code	Topics	Διδάσκων	Εισηγητής	Date	Hours			
		201/P1								
		201/P2								
		202/P1	Εισαγωγή στη διαχείριση Τ λεμφοκυττάρων Κρυσκαταψυξη	Alexandros Spyridonidis, Vasiliki Zacharioudaki	Alexandros Spyridonidis, Dionysia Kefala, Vasiliki Zacharioudaki	Saturday 13 May 2023	10.00-16.00			
		202/P2	Απόψυξη & ex vivo καλλιέργειά τους							
		202/P3								