

Module Code	Module Title	Prof	Βαθμολογητές	Lesson Code	Topics	Ανάθεση Διδασκαλίας*	Μη αυτοδύναμη Διδασκαλία*	Ημερομηνία	Ώρα
CELL AND GENE THERAPIES									
CGT 102	Biological aspects of C> / Basic cell biology	Ass. Prof. A. Kriebardis	Prof. A. Spyridonidis, Ass. Prof. A. Kriebardis	CGT 102/T1	Welcome and syllabus-Introduction to cell and gene therapies (C>)	Alexandros Spyridonidis		11/10/2023	17:00-19:00
				CGT 102/T2	Cells and tissue culture basics, cells life cycle	Adriana kotini	19:00-21:00		
				CGT 102/T3	Cells life cycle, cell death, aging and senescence, differentiation	Adriana kotini	12/10/2023	17:00-19:00	
				CGT 102/T4	Stem cells	Adriana kotini		19:00-21:00	
				CGT 102/T5	Cell signaling with focus on T cell signaling	Konstantina Nika	18/10/2023	17:00-19:00	
				CGT 102/T6	The immune system and the immune escape of cancer part I	Athanasia Mouzaki		19:00-21:00	
				CGT 102/T7	Viruses and viral vectors, non viral gene therapies	Reem Miari	19/10/2023	17:00-19:00	
				CGT 102/T8	Gene editing technologies: Focus on the Crispr Cas 9 system	Vasilis Roukos (Gabriel Longo)		Gabriel Longo	19:00-21:00
				CGT 102/T9	The immune system and the immune escape of cancer part II	Athanasia Mouzaki		25/10/2023	17:00-21:00
CGT 101	Introduction to C> GMP	Prof. A. Spyridonidis	Prof. A. Spyridonidis, Ass. Prof. A. Kriebardis	CGT 101/T1	Current status and future of Cell Therapies	Themeli Maria		26/10/2023	17:00-19:00
				CGT 101/T5	The International Council for Harmonization of Technical Requirements for Pharmaceuticals for Human Use (ICH) Q8-Q12	Stathis Michalopoulos	19:00-21:00		
				CGT 101/T3	Basic principles of GMP Part 1	Gerhard Bauer	1/11/2023	17:00-19:00	
				CGT 101/T4	Basic principles of GMP Part 2 & Case Study	Gerhard Bauer		19:00-21:00	
				CGT 101/T2	Current status and future of Gene Therapies	Nikoleta Psatha	2/11/2023	17:00-19:00	
				CGT 101/T6	Challenges of C>/ATMP Manufacturing	Stathis Michalopoulos		19:00-21:00	
				CGT 101/T7	Elements of the Quality Management System (QMS) and QP role	Vasiliki Zacharioudaki	8/11/2023	17:00-19:00	
				CGT 101/T8	Audit procedures for Cell and Gene Therapies application	Vasiliki Zacharioudaki		19:00-21:00	
				CGT 101/T9	POCare Manufacturing	Vered Caplan	09/11/2023	17:00-19:00	
				CGT 101/T10	Technology Transfer & Case study (TPP through TT)	Dotan Uzi		19:00-21:00	
								CGT 101/T11	EXAMS 101- 102
CGT 103	C> Regulation	Prof. A. Spyridonidis	Prof. A. Spyridonidis	CGT 103/T1	The regulatory authorities (FDA, EMA) and the regulatory review pathways (IND to BLA; IMPD to MAA)	Yaron Ramati		16/11/2023	17:00-19:00
				CGT 103/T2	Supply Chain for CGTs & SEC / ISBT 128 and other labeling systems	Miri Sani	19:00-21:00		
				CGT 103/T3	ATMP (EU) legislation – an overview / Hospital Exemption	Heiko Von Der Leyen	22/11/2023	17:00-19:00	
				CGT 103/T4	Cell & Gene Therapy Quality/ CMC considerations	Sagi Nahum		19:00-21:00	
				CGT 103/T5	Critical Quality Attributes (CQA), Critical Process Parameters (CPP)	Sagi Nahum	23/11/2023	17:00-19:00	
				CGT 103/T6	The new EU Regulation on SoHO (Substances of Human Origin)	Alexandros Spyridonidis		19:00-21:00	
				CGT 103/T7	Submitting a file for GMP Facility authorization	Alexandros Spyridonidis	Dionysia Kefala	17:00-19:00	

				CGT 103/T8	Case study GMP Manufacturing authorization	Alexandros Spyridonidis	Dionysia Kefala	29/11/2023	19:00-21:00
				CGT 103/T9				30/11/2023	17:00-19:00
				CGT 103/T10	EXAMS 103			06/12/2023	17:00-21:00

CGT 104	Biostatistics and medical data analysis	Prof. E. Papageorgiou	Prof. A Spyridonidis	CGT 104/T1	Population, sample and data collection	Efstathia Papageorgiou	Sofia Liosi	07/12/2023	17:00-19:00
				CGT 104/T2	Descriptive statistic methodology using SPSS	Efstathia Papageorgiou	Sofia Liosi		19:00-21:00
				CGT 104/T3	Survival outcomes (Kaplan–Meier, CI, competing risks)	Efstathia Papageorgiou	Sofia Liosi	13/12/2023	17:00-19:00
				CGT 104/T4	Univariate comparisons	Efstathia Papageorgiou	Sofia Liosi		19:00-21:00
				CGT 104/T5	Gray’s statistic for cumulative incidence functions	Efstathia Papageorgiou	Sofia Liosi	14/12/2023	17:00-19:00
				CGT 104/T6	Cox regression Multivariate analysis	Efstathia Papageorgiou	Sofia Liosi		19:00-21:00
				CGT 104/T7	Data presentation of small and big data	Efstathia Papageorgiou	Sofia Liosi	20/12/2023	17:00-19:00
				CGT 104/T8	EXAMS 104			21/12/2023	17:00-21:00

CGT 201	From Development to GMP (Product life-cycle, Approval)	Prof. A Spyridonidis	Prof. A Spyridonidis, Ass. Prof. A. Kriebardis	CGT 201/T1	Quality by Design (QbD)	Stathis Michalopoulos		10/01/2024	17:00-19:00
				CGT 201/T2	GMP from Phase 1 to Phase 3	Stathis Michalopoulos			19:00-21:00
				CGT 201/T3	Monitoring CGT Therapies & Related Methodologies Part I	Alexandros Spyridonidis	Memnon Lysandrou	11/01/2024	17:00-19:00
				CGT 201/T4	Monitoring CGT Therapies & Related Methodologies Part II	Alexandros Spyridonidis	Memnon Lysandrou		19:00-21:00
				CGT 201/T5	IND	Alexandros Spyridonidis	Dionysia Kefala	17/01/2024	17:00-19:00
				CGT 201/T6	Case study IND - iG Tregs	Alexandros Spyridonidis	Dionysia Kefala		19:00-21:00
				CGT 201/T7	Technical aspects in viral vector CGMP Manufacture	Alexandros Spyridonidis	Nikolaos Savvopoulos	18/01/2024	17:00-19:00
				CGT 201/T8	Case studies of gene therapies (viral vectors, non-viral vectors)	Nicoleta Psatha			19:00-21:00
				CGT 201/T9				24/01/2024	17:00-19:00
				CGT 201/T10	EXAMS 201			31/01/2024	17:00-21:00

CGT 202	QC for CGT/Equipment Analytical Methods	Prof. A Spyridonidis	Prof. A Spyridonidis	CGT 202/T1	Introduction to Analytical Development	Sagi Nahum		01/02/2024	17:00-19:00
				CGT 202/T2	Technologies for C>/ATMP Manufacturing	Gilad Beck			19:00-21:00
				CGT 202/T3	Qualification and validation of analytical and bioanalytical methods	Sagi Nahum		07/02/2024	17:00-19:00
				CGT 202/T4	Medical device regulations PMA/MDR & Equipment validation and qualification (DQ-PQ)	Miri Sani			19:00-21:00
				CGT 202/T5	Quality Control (CQ)	Vasiliki Zacharioudaki		08/02/2024	17:00-19:00
				CGT 202/T6	Validation of Equipment	Vasiliki Zacharioudaki			19:00-21:00
				CGT 202/T7	Risk assesment			14/02/2024	17:00-19:00
				CGT 202/T8	Contamination Control Strategies	Anastasia Papadopoulou			19:00-21:00
				CGT 202/T9				15/02/2024	
				CGT 202/T10	EXAMS 202			21/02/2023	17:00-21:00

				CGT 203/T1	Introduction to clinical trials	Hatzimichail Eleftheria			17:00-19:00
--	--	--	--	------------	---------------------------------	-------------------------	--	--	-------------

CGT 203	Preclinical and Clinical aspects in CTG	Prof. A Spyridonidis	Prof. A Spyridonidis	CGT 203/T2	How to write a protocol - Case study iG Tregs	Alexandros Spyridonidis	Memnon Lysandrou	22/02/2024	19:00-21:00
				CGT 203/T3	Principles of good clinical practice in gene and cell therapy trials and essential trial documents	Heiko Von Der Leyen			17:00-19:00
				CGT 203/T4	Study design- Contact and analysis of clinical trials (How to monitor CGT treatments)	Heiko Von Der Leyen		28/02/2024	19:00-21:00
				CGT 203/T5	Case studies of cell types (MSCs, immune cells, stem cells)	Stephen Minger			17:00-19:00
				CGT 203/T6	Commercialized products in Cell and Gene Therapies	Eleni Gavriilaki		29/02/2024	19:00-21:00
				CGT 203/T7	Case study	Dimitris Mougiakakos			17:00-19:00
				CGT 203/T8	CART cell toxicities: pathophysiology and clinical practice	Anna Vardi		06/03/2024	19:00-21:00
				CGT 203/T9	Apheresis/ Cell procurement	Maria Liga			17:00-19:00
				CGT 203/T10	Bone marrow transplantation	Maria Liga		07/03/2024	19:00-21:00
				CGT 203/T11	EXAMS 203			13/03/2024	17:00-21:00

CGT 204	Scientific / Lab management	Ass. Prof. Zoumpoulakis	Prof. A Spyridonidis	CGT 204/T1	Financial Accounting	Sofia Asonitou			17:00-19:00
				CGT 204/T2	Management Accounting	Sofia Asonitou		14/03/2024	19:00-21:00
				CGT 204/T3	Career development				17:00-19:00
				CGT 204/T4	Developing research organizations	Eyal Neria		20/03/2024	19:00-21:00
				CGT 204/T5	CGT RnD in RI/Academia versus Industry	Vivian Tseveleki			17:00-19:00
				CGT 204/T6	Translational research Management Process	Chronis Fatouros		21/03/2024	19:00-21:00
				CGT 204/T7	Translational research Management Process Case studies	Chronis Fatouros			17:00-19:00
				CGT 204/T8	Challenges of getting CGTs into the Market	Evi Chatziandreou		27/03/2024	19:00-21:00
				CGT 204/T9	Therapy pipeline management	Evi Chatziandreou			17:00-19:00
				CGT 204/T10	Secure Funding from Competitive RnD Programmes	Panagiotis Zoumpoulakis	Zoumpoulakis/Kyprioti Euge	28/03/2024	19:00-21:00
CGT 204/T11	EXAMS 204			10/04/2024	17:00-21:00				

				PRACTICAL MODULES					
Module Code	Module Title	Prof	Lesson Code	Topics	Date	Hours			
CGT 102/P	Basic cell biology	Ass. Prof. A. Kriebardis	102/P1	Peripheral blood mononuclear cells isolation	3/11/23 & 4/11/23	17.00-21.00 & 10.00-16.00			
			102/P2	Sample preparation for flow cytometry					
			102/P3	Analysis of data					
			102/P4	Protein Isolation	24/11/23 & 25/11/23	17.00-21.00 & 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	16/12/2023	10:00 - 18:00			
			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	16/12/2023	10:00 - 18:00			
			103/P2	Aseptic work and simulation					