	Example study paths for track "Computational Life Science"	CMS Track	Contents of COR modules that should be priorly known or selected	Modul CMS-CLS-ELG	Modul CMS-CLS-ELV	Modul CMS-SEM	Modul CMS-CLS-TEA
			Recommendation	**4 SWS in Summer (2.FS) + 4 SWS in Winter (3. FS)**	**8 SWS in Winter (3. FS)**		
1	**Biomedical image analysis**	CLS	CMS-COR-MLD CMS-COR-NUM CMS-COR-SAP	Computer Vision 1 Data Visualization	Introduction to Mathematical Biology 1 User Interface Engineering	Computational Life Science Seminar Hauptseminar Computergraphik und Visualisierung	Ideally in cooperation with students from the visual computing track
2	**Computer simulation of biological systems**	CLS	CMS-COR-HPC CMS-COR-NUM CMS-COR-SAP	Particle Methods Finite-Elemente-Methode – Theorie, Implementierung und Anwendungen	Computational Fluid Dynamics Principles of Biophysics	Computational Life Science Seminar Computational Mathematics Seminar	Ideally in cooperation with students from the computational mathematics track
3	**Bioinformatics**	CLS	CMS-COR-MLD CMS-COR-SAP CMS-COR-VIZ	Interactive Information Visualization Genome Engineering Introduction to Mathematical Biology 1	Introduction to Mathematical Biology 2 Introduction to Proteomics	Computational Life Science Seminar Computational Mathematics Seminar	Ideally in cooperation with students from the computational mathematics track
4	**Computational Psychology**	CLS	CMS-COR-HPC CMS-COR-NUM CMS-COR-VIZ	Cognitive Neuroscience Methods Interactive Information Visualization Introduction to Mathematical Biology 1	Principles of Biophysics Scientific Arithmetic - Advanced Aspects	Computational Life Science Seminar Computational Mathematics Seminar	Ideally in cooperation with students from the computational mathematics track
5	**Personalized Medicine**	CLS	CMS-COR-NUM CMS-COR-SAP CMS-COR-MLD	Data Visualization Principles of Biophysics	Principles of Biophysics Computational Cell Biology	Computational Life Science Seminar Seminar Visual Computing	Ideally in cooperation with students from the visual computing track
6	**Interactive 3D Systems for Life Sciences**	CLS	CMS-COR-VIZ CMS-COR-MLD CMS-COR-HPC	User Interface Engineering Interactive Information Visualization	Advanced User Interfaces Interactive Multimedia Information Retrieval	Computational Life Science Seminar Hauptseminar Immersive Media	Ideally in cooperation with students from the visual computing track
7	**Molecular Modeling / Drug Design**	CLS	CMS-COR-HPC CMS-COR-NUM CMS-COR-SAP	Principles of Biophysics Particle Methods	Concepts of Molecular Modelling Data Visualization	Computational Life Science Seminar Seminar Computational Engineering	Ideally in cooperation with students from the visual computing track