

SS '12: 'Cellular Mechanisms, Signal Transduction'

Topics	Lecturers
Cell cycle, cell proliferation	D. Sohn; R. Piekorz <i>Molecular Radiation Oncology</i>
Organization of the human genome	B. Royer-Pokora <i>Institute for Human Genetics</i>
Growth factors and cytokines	J. Scheller <i>Institute for Biochemistry & Molecular Biology II</i>
Ras/Raf/MAPK-signaling	R. Ahmadian <i>Institute for Biochemistry & Molecular Biology II</i>
Survival signaling (PI3K/Akt)	B. Stork <i>Institute for Molecular Medicine</i>
Jak/Stat-pathway	G. Totzke <i>Institute for Molecular Medicine</i>
Wnt/ β -catenin and Hedgehog signaling	W. Schulz <i>Dept. of Urology</i>
Apoptosis	S. Wesselborg <i>Institute for Molecular Medicine</i>
Autophagy	B. Stork <i>Institute for Molecular Medicine</i>
Senescence	R. Jänicke <i>Molecular Radiation Oncology</i>
DNA damage and DNA repair	G. Fritz <i>Inst. for Toxicology</i>
Gene regulation by transcription factors	S. Wesselborg <i>Institute for Molecular Medicine</i>
Nuclear receptors	W. Scherbaum <i>Institute for Molecular Medicine</i>