

## Nomenclature of Chemical Compounds

**Lecture-Nr.:** 53752

**Type:** seminar

**Duration:** The seminar takes place on 9 days (2-3 hours/day) in October and November, and is supplemented by optional exercises.

**Method of Assessment:** written examination (on lab course and corresponding lecture)

**ECTS Credit Points:** 1

### Topics:

Systematic nomenclature of organic compounds according to the IUPAC recommendations, principles and applications; alternative methods of naming organic chemical compounds; parent compounds and functional groups; substitutive name, functional class name (radicofunctional name), conjunctive name, additive name, subtractive name, multiplicative name, fusion name, Hantzsch–Widman name, replacement name, trivial names accepted by IUPAC.

### Literature:

1. International Union of Pure and Applied Chemistry (IUPAC): nomenclature of organic compounds, <http://www.acdlabs.com/iupac/nomenclature/>
2. Hellwich: Chemische Nomenklatur. Die systematische Benennung organischer Verbindungen. Govi, Eschborn.
3. Hellwinke., Die systematische Nomenklatur der Organischen Chemie. Springer, Heidelberg.
4. Bartsch: Die systematische Nomenklatur organischer Arzneistoffe. Springer, Wien.
5. Fresenius; Görlitzer: Organisch-chemische Nomenklatur. Wissenschaftliche Verlagsgesellschaft, Stuttgart.

### Contact Information:

Prof. Dr. Armin Buschauer

Department of Pharmaceutical and Medicinal Chemistry II

Phone +49 941 943-4827

E-mail [Armin.Buschauer@ur.de](mailto:Armin.Buschauer@ur.de)