

*Special Issue for the Journal of Molecular Recognition:*

Proceedings from MIP2016, the 9th International Conference on Molecular Imprinting

*Call for Papers*

MIP2016 was the 9th International Conference on Molecular Imprinting symposium held in Lund, Sweden on June 26-30, 2016. Lund has a historic position in molecular imprinting. This is the place where the non-covalent imprinting was first conceptualized by Klaus Mosbach. Hosting MIP2016 in Lund has a special meaning for many colleagues who made their first imprints there. Over the past years this international conference has acted as the most important forum for researchers to exchange ideas and to network with experts in the area of molecular imprinting. Witnessing exciting new discoveries and progress from MIP symposia in the past years, MIP2016 has continued to serve as an important catalyst toward advanced discussion in the field, and accelerate future developments that will be presented at future symposia.

Molecular recognition plays a critical role in numerous living systems. The transfer of genetic information and the immune reactions are just two well-known examples. While the basic principles behind molecular recognition are being revealed through continuing fundamental research, high selectivity molecular interactions have already been utilized in many applications including affinity separation, biosensing and biomimetic catalysis. As synthetic materials with pre-designed molecular binding selectivity, molecularly imprinted polymers (MIPs) are ideal substitutes for biological receptors (e.g. antibodies, enzymes, aptamers) when it comes to harsh application conditions and large-scale use.

The scope of the Special Issue includes, but is not limited to, the following:

- Nanotechnology and nanomaterials
- Advanced analytical and characterization techniques (including different types of microscopy and spectroscopy methods)
- Modern synthetic chemistry
- Applications covering analytical and preparative separations, and catalysis
- Chemical and biochemical sensing
- Drug delivery
- Bioimaging
- Theranostics

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