

## Tentative Outline

### Special Thematic Issue for the journal *CURRENT NEUROPHARMACOLOGY*

**Title of the Thematic Issue -Medicinal Chemistry studies against neurodegenerative diseases**

*Guest Editors: Guest Editor: Luciana Scotti*

*Co-Guest Editor: Marcus T. Scotti*

• **Scope of the Thematic Issue:**

Neurodegenerative diseases include Alzheimer's disease (AD), amyotrophic lateral sclerosis (ALS), Parkinson's disease (PD), and Huntington's disease. These diseases involve different aspects of reward processing (primary rewards, secondary rewards, reward-based learning, and reward-based decision-making). About 70% of the population with 65 years or more are affected by these progressive neurodegenerative disorders of the central nervous system and characterized by gradual loss of cognitive function, progressive memory loss, disorientation, language impairment, abnormal behavior, personality changes, etc Medicinal Chemistry studies include current developments in rational drug design, synthetic chemistry, bioorganic chemistry, high-throughput screening, combinatorial chemistry, compound diversity measurements, drug absorption, drug distribution, metabolism, new and emerging drug targets, natural products, pharmacogenomics, and structure-activity relationships. This thematic issue will bring together medicinal chemistry studies of different methodologies, applied in order to optimize the search for new drugs for the cure and treatment of neurodegenerative diseases.

**Keywords: Alzheimer's disease, amyotrophic lateral sclerosis, Parkinson, Huntington's disease, medicinal chemistry, target, neurodegenerative.**

**Sub-topics:**

The sub-topics to be covered within the issue should be provided:

- rational drug design, synthetic chemistry, bioorganic chemistry, high-throughput screening, combinatorial chemistry, compound diversity measurements, drug absorption, drug distribution, metabolism, new and emerging drug targets, natural products, pharmacogenomics, and structure-activity relationships.

**Tentative titles of the articles and list of contributors:**

Tentative titles of the articles and list of contributors with their names, designations, addresses and email addresses should be provided.

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#### **Schedule:**

✧ Thematic issue submission deadline:

Tentative submission deadline: 15, March 2021.

Tentative submission of revised manuscript: 30, May 2021.

Submission of issue: 10, June 2021.

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