International Journal of
Molecular Sciences

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Amyloid Hetero-Aggregation 2.0

Guest Editor:

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Deadline for manuscript submissions:
20 December 2024

Message from the Guest Editor

This Special Issue will address the molecular and cellular mechanisms of amyloid hetero-aggregation, deposition, and toxicity of various proteins–human, bacterial, and viral. Amyloid formation is a widespread phenomenon due to in the generic property of polypeptide chains that self-assemble into cross-β-sheet superstructures and are manifested in numerous amyloid-related diseases, as well as in functional amyloids. Recently, the comorbidity of amyloid diseases was also shown to be linked to the co-aggregation of different amyloidogenic proteins. Since amyloids formed by individual polypeptides are highly polymorphic, their co-aggregates add up to the complexity and heterogeneity of the amyloid mixture. Despite the key clinical importance of amyloid formation, the mechanisms of co-aggregation of different amyloid species remain elusive. There is an unmet need to understand the architecture and mechanisms of self-assembly leading to the formation of hetero-aggregates composed of various amyloid polypeptides. Your research and review articles on this subject are very welcome in this issue.

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Message from the Editor-in-Chief

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Journal Rank: JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Inorganic Chemistry)

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