

**LS 591A                      Advances in Disease Pathomechanisms                      2 Credits**

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	Topic	
1.	<p>This is a research paper-based course offered as a compulsory course for MSc Life Sciences students opting for Disease Biology as specialization or as an optional course for students of MSc Life Sciences without specialization.</p> <p>It is recognized that there is no unifying principle that underlies a common pathomechanism for diseases in general. However, mechanisms can be stratified as per genetic diseases, metabolic and life-style diseases and infectious diseases in animals (humans) and plants. This topic is important for understanding both fundamental aspects of disease mechanisms as well as from the mechanism-based therapeutics for diseases. The syllabus of the course would be on topics that highlight the advances in the diverse pathomechanisms. Research articles from fundamental to contemporary ground-breaking developments would be covered, and is designed to impart a range of skills including critical thinking, analysis, problem solving, critique writing and learn about research manuscript reading, writing and different aspects of publication.</p>	As listed above

**Further Reading:**

1. Research paper/s would be provided by the participating teachers