

## Spring 2025 PSL950/PHM980 Immune Based Mechanisms of Disease

Class Meetings: in person for MSU main campus; online synchronous only offered for MSU Grand Rapid students.

Thursdays 9:00-10:00 BPS Room TBD. Credit Hours: 1

**Course Overview:** This one credit seminar course will examine the mechanistic role of the immune system in disease conditions. Sp. 2025 the course will be focusing on the role of the immune system in inflammatory diseases, including cancer, obesity, and neuro-immunology. Different topics will be discussed through student presentations of key journal articles and seminars by distinguished guest speakers. The contribution of **key immunoregulatory networks** and associated **molecular mechanisms** will be covered. The impact of these mechanisms on the development of therapeutics and clinical applications will also be discussed.

### Instructors

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### Course Objectives

The major objective of this seminar course is to increase our **understanding of the immune system and its impact on disease**. This understanding will be gleaned from **presentations from distinguished guest speakers, critical reading and analysis of the scientific literature and student group presentations and discussions**. In this course, you will also develop **professional skills for reviewing scientific articles, critical thinking, and scientific presentations**.