

## Course Program

BMI5904 – Molecular recognition by the immune system

BMI5905 – Effector mechanisms of immune responses

### Professors:

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Classes will take place every morning from 9:00 to 12:00

We will send link for each class one day before the same;

Afternoons should be dedicated to exercises and paper reading;

Set 7<sup>th</sup> is a holiday, Sep 9<sup>th</sup> and 10<sup>th</sup> the graduation program will be dedicated to the annual meeting – there will be no classes on these days.

CLASS #1      Aug 24<sup>th</sup>      AP  
Molecular pattern receptors and innate responses

CLASS #2      Aug 25<sup>th</sup>      AP  
Innate responses

CLASS #3      Aug 26<sup>th</sup>      AP  
Acute inflammation

CLASS #4      Aug 27<sup>th</sup>      APL  
MHC and Lymphocyte receptors repertoire and central tolerance

CLASS #5      Aug 28<sup>th</sup>      APL  
Antigen presentation and peripheral tolerance

CLASS #6      Aug 31<sup>st</sup>      APL  
Signaling in lymphocyte activation

CLASS #7      Sep 01<sup>st</sup>      APL  
T cell differentiation

CLASS #8      Sep 02<sup>nd</sup>      APL  
B cell activation

CLASS #9      Sep 03<sup>rd</sup>      APL  
Lymphocytes effector mechanisms

CLASS #10     Sep 04<sup>th</sup>      APL  
Response to pathogens

CLASS #11 Sep 08<sup>th</sup> APL  
Response to pathogens

CLASS #12 Sep 11<sup>th</sup> NO  
Control of immune responses, negative feedback mechanisms

CLASS #14 Sep 14<sup>th</sup> NO  
Regulation of immune responses

CLASS #15 Sep 15<sup>th</sup> NO  
Examples of immunopathology

CLASS #16 Sep 16<sup>th</sup> APL  
Final discussion/test