

PROGRAM

FOR THE DOCTORAL THESIS SEMINAR # 902.218

COORDINATION:

DR. ANNA REPIC, PROF. DR. JOHANNES HUPPA, DR. PHILIPP
SCHATZLMAIER, PROF. DR. HANNES STOCKINGER

TOPIC FOR THE WINTER SEMESTER 2020/2021:

IMMUNITY TO SARS-CoV-2: EXPLORING AND UNDERSTANDING THE COVID-19 DISEASE

VENUE: VIRTUAL MEETING VIA WEBEX

TIME: JANUARY 25-26, 2020

DAY 1: MONDAY JANUARY 25:

MEETING LINK:

[HTTPS://MEDUNIWIEN.WEBEX.COM/MEDUNIWIEN/J.PHP?MTID=ME16B923AC275764
1E14B5A9E1D50DC05](https://meduniwien.webex.com/meduniwien/j.php?MTID=ME16B923AC2757641E14B5A9E1D50DC05), MEETING NUMBER (ACCESS CODE): 121 287 9576,
MEETING PASSWORD: PREDHH5ZJ86 (77334459 FROM VIDEO SYSTEMS)

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| 13.00 – 13.15 | COORDINATORS (ANNA REPIC)
WELCOME, INTRODUCTION TO AND OVERVIEW OF THE TOPIC |
| 13.15 – 13.35 | MARTIN TEMES
PATHOGENIC AND SEASONAL CORONAVIRUSES AFFECTING
HUMANS: SIMILARITIES AND DIFFERENCES |
| 13.35 – 13.50 | DISCUSSION |
| 13.50 – 14.10 | RENÉ PLATZER
SARS-CoV-2 EMERGENCE AND SUCCESSFUL WORLDWIDE
SPREAD: SARS-CoV-2 EPIDEMIOLOGY AND MOLECULAR
MECHANISMS THAT ALLOWED SUCCESSFUL GLOBAL
TRANSMISSION |
| 14.10 – 14.25 | DISCUSSION |
| 14.25 – 14.45 | TIMO PETERS
PATHOGENESIS OF COVID-19 I: EARLY INFECTION (ON THE
CELLULAR AND TISSUE LEVEL), SYMPTOMS, PULMONARY AND
EXTRAPULMONARY MANIFESTATIONS |
| 14.45 – 15.00 | DISCUSSION |
| 15.00 – 15.15 | BREAK |
| 15.15 – 15.35 | KONSTANTIN HÖLZL
PATHOGENESIS OF COVID-19 II. NEUROLOGICAL AND
OLFACTORY MANIFESTATIONS (AND UNDERLYING MOLECULAR
MECHANISMS), COVID-19 DELIRIUM AND ROLE OF NEUROFILIN-
1 |
| 15.35 – 15.50 | DISCUSSION |
| 15.50 – 16.10 | VLADO LEKSA (PERHAPS) |

- EFFECT OF SARS-CoV-2 INFECTION ON SYSTEMIC PROTEOLYTIC SYSTEMS: RENIN-ANGIOTENSIN-ALDOSTERONE SYSTEM AND BRADYKININ, COAGULATION/FIBRINOLYTIC SYSTEMS
- 16.10 – 16.25 DISCUSSION
- 16.25 – 16.45 **PHILIPP SCHATZLMAIER**
BLOOD BIOMARKERS AS PREDICTORS OF SEVERE COVID-19
- 16.45 – 17.00 DISCUSSION

DAY 2: MONDAY JANUARY 26:

MEETING LINK:

[HTTPS://MEDUNIWIEN.WEBEX.COM/MEDUNIWIEN/J.PHP?MTID=M1FDE8F7AD736497BD98B3F6F390COEA5](https://meduniwien.webex.com/meduniwien/j.php?MTID=M1FDE8F7AD736497BD98B3F6F390COEA5), MEETING NUMBER (ACCESS CODE): 121 925 8748, MEETING PASSWORD: XPC7NT3HV3S (97276834 FROM VIDEO SYSTEMS)

- 13.00 – 13.20 **ANNA REPIC**
SARS-CoV-2 MECHANISMS OF HOST DEFENCE SUPPRESSION
- 13.20 – 13.35 DISCUSSION
- 13.35 – 13.55 **venu GUDIPATI**
ROLE OF T CELLS IN RECOGNIZING AND FIGHTING SARS-CoV-2 INFECTION
- 13.55 – 14.10 DISCUSSION
- 14.10 – 14.30 **ROMANA KLASINC**
HIGH AGE AND UNDERLYING HEALTH CONDITIONS (OBESITY, HYPERTENSION, MUTATIONS IN IMMUNE GENES OR AUTOANTIBODIES AGAINST TYPE I IFNS) AS RISK FACTORS FOR SEVERE COVID-19
- 14.30 – 14.45 DISCUSSION
- 14.45 – 15.05 **ANGELIKA PLACH**
SARS-CoV-2 TEST, TRACE, ISOLATE (AND MASK) STRATEGY AS MEANS TO LIMIT THE VIRUS SPREAD
- 15.05 – 15.35 DISCUSSION
- 15.35 – 15.50 **BREAK**
- 15.50– 16.10 **LAURA GEBETSBERGER**
COVID-19 TREATMENTS: DIFFERENCES IN EFFECTIVITY *IN VITRO* AND *IN VIVO*
- 16.10 – 16.25 DISCUSSION
- 16.35 – 16.55 **JANETT GÖHRING**
SARS-CoV-2 VACCINE DEVELOPMENT: WHAT IT TAKES TO MAKE A SAFE AND EFFECTIVE VACCINE AND THE CURRENT STATUS OF SARS-CoV-2 VACCINES
- 16.55 – 17.10 DISCUSSION
- 17.10 – 17.30 **FINAL DISCUSSION**
(TO A BONUS TOPIC: COVID-19 MISINFORMATION AND HOW TO TACKLE IT WITH SCIENTIFIC KNOWLEDGE)