

## Program Day 3

Saturday November 10, 2018

### Session 4 CRC1292

09.00 – 09.30 Guest Speaker CRC900

The meticulous and multifaceted ways of herpesviral evasion of the type I IFN system  
Melanie Brinkmann, Braunschweig, Germany

09.30 – 10.30 Presentations by CRC1292 Members

### Coffee Break

### Round Table

11.00 – 12.00 Meeting of the CMV and Immunosenescence Group

### Lunch

### Free Time

13.30 Shuttle busses to downtown Mogontiacum

## Special Session

18.00 – 21.00 CMV Meets the Roman Empire

## Closing Session

21.00 **Workshop Summary**  
Janko Nikolich-Zugich, Tucson, USA

21.45 **Farewell Address**  
Matthias J. Reddehase

22.00 **Shuttle busses to Waldhausen Castle**

## Additional Information & Registration

<https://www.unimedizin-mainz.de/virologie/research>  
CMV-Immunosenescence2018@unimedizin-mainz.de

## Registration Fees

Group leaders	240 EUR
Postdocs	180 EUR
Students (pre-postdoc level)	120 EUR

Abstract deadline September 15, 2018  
Registration deadline October 1, 2018



**Symposium Venue**  
Waldhausen Castle  
Im Wald 1, 55257 Budenheim

<http://www.sv-rlp.de/sparkassenakademie/konferenzzentrum>

### Organized by

IDV-BVI e.V.  
CRC 1292

### Supported by

IDV-BVI e.V.  
German Research Foundation, CRC1292

**DFG** Deutsche Forschungsgemeinschaft



Research Center for Immunotherapy  
Collaborative Research Center 1292  
Institute for Virology

## Immunosenescence Associated with Chronic Infections

November 8, 2018 –  
November 10, 2018



JG|U UNIVERSITÄTSmedizIN.  
MAINZ

# 7th International Workshop on CMV and Immunosenescence

Host-specific cytomegaloviruses (CMVs) and their corresponding hosts have co-speciated during eons of co-evolution adapting to each other for establishing 'checks and balances' resulting in viral latency characterized by absence of virus production. Accordingly, CMVs of different host species have acquired different sets of 'private genes' involved in modulating intrinsic, innate, and adaptive defense mechanisms of their respective host, and hosts, in turn, have found counterstrategies to keep their specific CMV in check despite viral immune evasion strategies. As a result, CMVs do not cause disease as long as the balance is not broken by immunocompromising conditions.

In the elderly, 'checks and balances' get out of order in that CMV gene expression during viral latency drives an accumulation of virus-specific, non-exhausted, but functional CD8 effector-memory T cells, a phenomenon known as 'memory inflation'. Allocation of significant resources of the immune response to a single viral pathogen, increasing with age, bears a risk of 'immunosenescence' with respect to the host's capacity to fight other life-threatening pathogens as well as tumors, and can shoot down vaccine efficacy.

In this workshop, a faculty of internationally renowned experts, clinicians and basic scientists, come together to discuss mechanisms of CMV-associated 'immunosenescence' trying to understand why the host pays such an attention to a single and seemingly less harmful pathogen.

Matthias J. Reddehase

Chair of the Workshop

Director of the Institute for Virology

University Medical Center Mainz, Germany

## Program Day 1

Thursday November 8, 2018

16.00 Registration

---

### Dinner

---

## Evening Session

19.00 **Welcome Address**  
Matthias J. Reddehase

19.15 – 21.15 **Overview Talks**

A friend within us: new mechanisms of CMV mediated augmentation of adaptive immunity  
Janko Nikolich-Zugich, Tucson, USA

CMV and immune senescence - mechanisms and clinical importance  
Paul Moss, Birmingham, UK

Premature aging and T cell dysfunction in renal failure patients  
Yen-Ling Chiu, Taipei, Taiwan

Impact of CMV on host responses to sepsis  
Charles Cook, Boston, USA

Pediatric roots of immunosenescence in the elderly? - a speculation  
Stuart P. Adler, Richmond, USA

---

## In vino veritas

---

## Program Day 2

Friday November 9, 2018

### Session 1

09.00 – 09.30 **Overview Talk**  
Parameters that dictate inflammatory impact of and immunity to cytomegalovirus  
Edward S. Mocarski, Atlanta, USA

09.30 – 10.00 **Presentations from abstracts**

---

## Coffee & Posters

---

### Session 2

10.30 – 11.00 **Overview Talk**  
Age dependence of the cerebral immune response after neonatal mCMV infection  
Stipan Jonjic, Rijeka, Croatia

11.00 – 11.30 **Presentations from abstracts**

---

## Lunch Break & Posters

---

### Session 3

13.30 – 14.00 **Overview Talk**  
HCMV reactivation from latency: a role for novel mIE promoters  
Donna Collins-McMillen, Tucson, USA

14.00 – 15.00 **Presentations from abstracts**

---

## Coffee & Posters

---

## Students' Session

15.30 – 17.00 **Oral Presentations**

---

## Dinner

---

## Evening Session

19.00 – 21.15 **Overview Talks**

Generation, maintenance, and tissue distribution of T cell responses to HCMV in lytic and latent infection  
Mark Wills, Cambridge, UK

Fuel and break of memory CD8 T cell inflation in MCMV infection  
Annette Oxenius, Zuerich, Switzerland

Progressive differentiation of CMV-specific effector-memory T cells  
Ramon Arens, Leiden, The Netherlands

Pros & Cons in memory inflation and immunosenescence  
Luca Cicin-Sain, Braunschweig, Germany

Sneaking to the salivary gland: evading immune control during MCMV dissemination  
Christopher Snyder, Philadelphia, USA

---

## In vino veritas

---