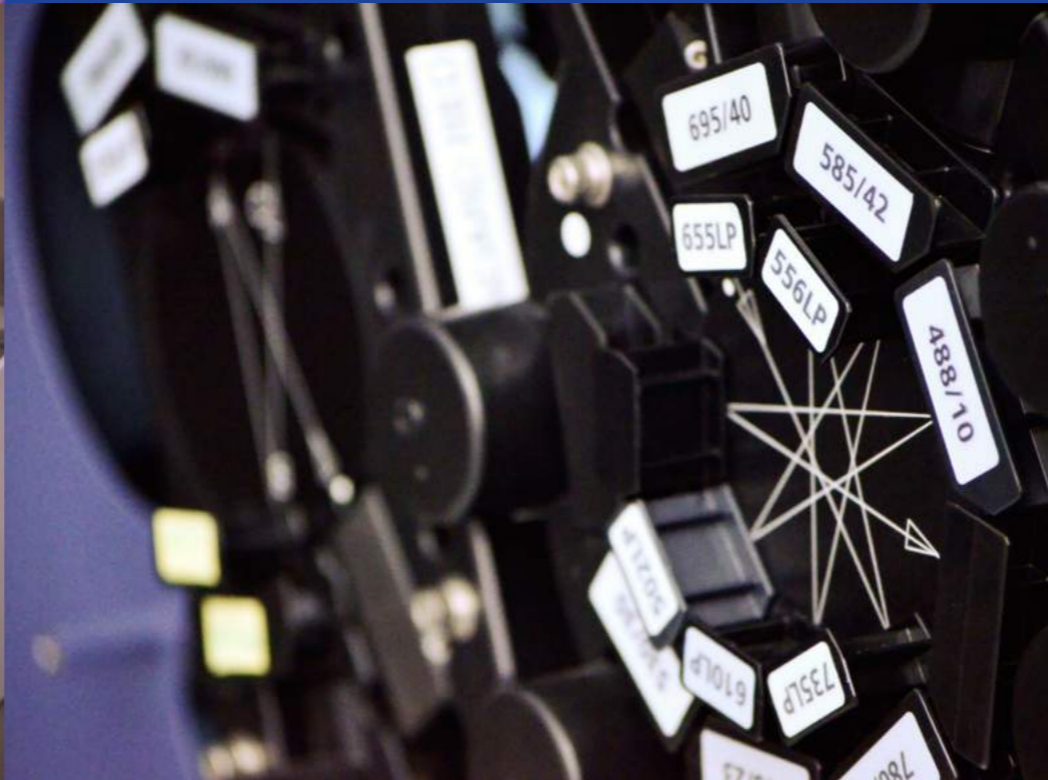




CENTER FOR
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Our expertise

We are **internationally recognized** in the field of in vivo immunology, regulation of innate and adaptive immunity and pathogenesis of murine cytomegalovirus (MCMV).

Custom monoclonal antibody and hybridoma development - over 100 unique antibodies are already available through our web page:

- mAbs against the whole Varicella Zoster Virus proteome
- mAbs against murine and human CMV proteins
- mAbs against lymphocyte markers

Expression of your protein of choice in bacterial and eukaryotic expression systems or as Fc-fusion proteins.

Development of **novel immunotherapeutic** approaches to treat viral infections based on **fusion proteins** consisting of anti-viral mAbs and soluble ligands for different lymphocyte receptors

CMVs as vectors in vaccine development. We have constructed, tested and published our work on several highly attenuated cytomegalovirus strains that induce a strong innate immune response.

Transcriptomic approach to virus disease research. We were the first to analyze and publish transcriptomic map of MCMV and analysis of host response using next-gen sequencing approach.

We are established experts in **mouse model of congenital CMV disease** which we use to understand the mechanism of CMV spread to the brain and to develop preventive and therapeutic measures to reduce pathological outcomes.



VARICELLA ZOSTER VIRUS

VZV ORF19; VZV ORF21; VZV ORF23; VZV ORF24; VZV ORF27; VZV ORF41; VZV ORF57; VZV ORF1; VZV ORF40; VZV ORF49; VZV ORF7; VZV ORF54; VZV ORF16; VZV ORF67; VZV ORF5; VZV ORF37; VZV ORF14; VZV ORF68; VZV ORF8; VZV ORF13; VZV ORF18; VZV ORF20; VZV ORF11; VZV ORF12; ORF9; ORF10; ORF62; ORF63; ORF47; ORF48; ORF31; VZV ORF58; VZV ORF4; VZV ORF33.5; VZV ORF36; VZV ORF 50; VZV ORF22; VZV ORF53; VZV ORF3; VZV ORF32

MURINE CYTOMEGALOVIRUS

MCMV m04; MCMV m06; MCMV M25; MCMV M45; MCMV M57; MCMV m55/gB; MCMV M112-113/E1; MCMV m123/IE1; MCMV m152; MCMV m155

HUMAN CYTOMEGALOVIRUS

HCMV UL52; HCMV UL56 (p130); HCMV UL89

HUMAN

CD300a (IRp60); CD300c (CMRF); PSG1; human NKG2D; LIR-1; KIR2DS2; KIR2DL1; hVSTM1 (SIRL-1)

MOUSE

mNCR-1

