PepMix™ Peptide Pools

**PepMixes™** are antigen spanning-peptide pools for stimulation of T-cells.

### Cancer
- **Breast Cancer**
  - Mammaglobin, Mucin, Erbb2, CEA, Claudin and more
- **Prostate Cancer**
  - STEAP1, PAP, PSA, Myc and more
- **Melanoma**
  - MAGE A1, A3 and A4, Melan A, Tyrosinase, TRP2 and more
- **Papillomavirus**
  - Proteins, E6, E7 & L1
- **Vaccinia Virus**
  - Host range protein 2
  - MVA 074R, MVA093L (p53)
  - Major core protein and more
- **Miscellaneous**
  - hTERT, Cyclin B1, Kir 4.1, NY-ESO1, p53 and many more

### Infections
- **Adenovirus**
  - VP1, Hexon & penton protein
- **BKV**
  - VP1, VP2, VP2, Large & small T antigen
- **EBV**
  - Barf-1, BMLF1, BZLF1, EBNA, LMP1, LMP2 and many more
- **HCMV**
  - IE1, IE2, pp65 and many more
- **HIV**
  - Ultra Pools for gag, nef, env with highest clade coverage!
- **Influenza**
  - Hemagglutinin, Matrix proteins
- **ZIKA Virus**
  - C, E, M, NS1
- **Miscellaneous**
  - HEV, RSV, VZV, Yellow fever, Candida, HBV, HHV, HHV 2, Zaire Ebola

### PepMix™ Collections
- Breast Cancer, Prostate Cancer
- HPV, Melanoma

### Positive Controls
- CEF Pools (standard, ext.)
- CEFT, CEFT MHCII, EF Pools
- Various HCMV (pp65 etc.)

### Negative Controls
- Actin (human)
- Hla class I Ig-like C1 type (human)
Cancer

Personalized RNA Mutanome Vaccines Mobilize Polyspecific Therapeutic Immunity Against Cancer

An Immunogenic Personal Neoantigen Vaccine for Patients with Melanoma

Decitabine Treatment Sensitizes Tumor Cells to T-Cell-Mediated Cytotoxicity in Patients with Myelodysplastic Syndromes

Spontaneous CD4+ and CD8+ T Cell Responses Directed Against Cancer Testis Antigens are Present in the Peripheral Blood of Testicular Cancer Patients
Pearce et al., European Journal of Immunology (2017) – PMID: 28555838

Control

CMV Drives the Expansion of Highly Functional Memory T Cells Expressing NK-Cell Receptors in Renal Transplant Recipients
Malwana et al., European Journal of Immunology (2017) – PMID: 2886005

CMV Specific T-Cell Immunity in Solid Organ Transplant Recipients at Low Risk of CMV Infection. Chronology and Aplicability in Preemptive Therapy
Mena-Romo et al., Journal of Infection (2017) – PMID: 2859955

Differences in Peripheral Myelin Antigen-specific T Cell Responses and T Memory Subsets in Atypical Versus Typical CIDP
Staudt et al., BMC Neurol. (2017) – PMID: 28446142

Toll-Like Receptor 7 Agonist GS-9620 Induces HIV Expression and HIV-Specific Immunity in Cells from HIV-Infected Individuals on Suppressive Antiretroviral Therapy
Tsai et al., Journal of Virology (2017) - 28179531

Generation of Dendritic Cell-based Vaccine Using High Hydrostatic Pressure for Non-small Cell Lung Cancer Immunotherapy
Hradilova et al., Plos One (2017) – PMID: 28187172

Infections

Elucidating CD8+ T-cell Responses in the Rectal Mucosa During HIV Infection

Vaccination with a Codon-optimized A27L-containing Plasmid Decreases Virus Replication and Dissemination After Vaccinia Virus Challenge
Martinez et al., Vaccine (2017) – PMID: 28629922

Pre-transplant Immune Factors May be Associated with BK Polyomavirus Reactivation in Kidney Transplant Recipients
DeWolfe et al., Plos one (2017) – PMID: 28562595

Immune Activation and HIV-Specific T Cell Responses are Modulated by a Cyclooxygenase-2 Inhibitor in Untreated HIV-Infected Individuals: An Exploratory Clinical Trial
Prebensen et al., Plos One (2017) – PMID: 28464042

An Early Immediate Early Protein IE-1-Specific T-Cell Polyfunctionality Is Associated With a Better Control of Cytomegalovirus Reactivation in Kidney Transplantation

Development of a Replication-Deficient Adenoviral Vector-Based Vaccine Candidate for the Interception of HPV16- and HPV18-Induced Infections and Disease
Khan et al., International Journal of Cancer (2017) – PMID: 28263390

Perturbed CD6+ T Cell TIGIT/CD226/PVR Axis Despite Early Initiation of Antiretroviral Treatment in HIV Infected Individuals
Taurainen et al., Scientific Reports (2017) – PMID: 28084312

Breadth of T Cell Responses after Immunization with Adenovirus Vectors Encoding Ancestral Antigens or Polyvalent Papillomavirus Antigens

Primary Cytomegalovirus Infection in Seronegative Kidney Transplant Patients Is Associated with Protracted Cold Ischemic Time of Seropositive Donor Organs
Schlott et al., Plos One (2017) – PMID: 28129395

Aug 2017