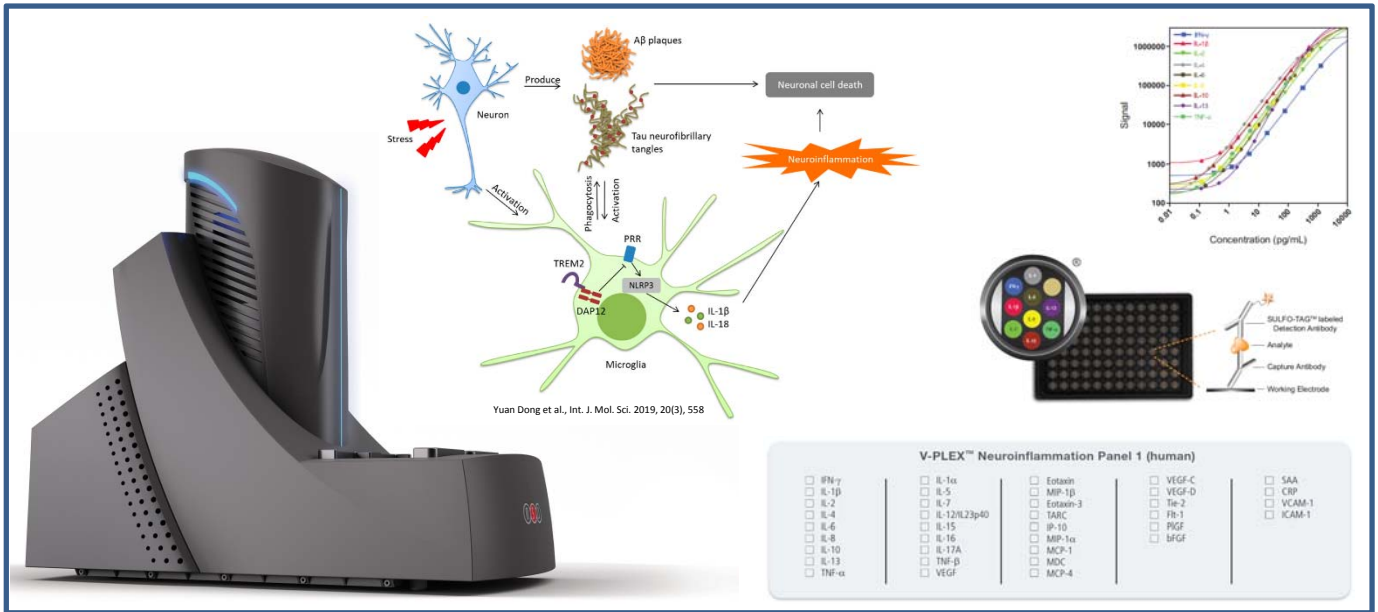




MSD Invites You to Attend



Lunch & Learn Seminar hosted by Prof. Kress (Neurophysiology)



The diagram illustrates the neuroinflammation pathway. A neuron is activated by stress, leading to the production of Aβ plaques and Tau neurofibrillary tangles. These lead to neuronal cell death and neuroinflammation. Microglia are activated by PRRs (TREM2, NLRP3, DAP12) and release cytokines (IL-1β, IL-18). A graph shows the signal response of various cytokines to concentration (pg/mL) on a log scale. A V-PLEX assay plate is shown with a legend for the Neuroinflammation Panel 1 (human).

Yuan Dong et al., Int. J. Mol. Sci. 2019, 20(3), 558

| V-PLEX™ Neuroinflammation Panel 1 (human) | | | |
|---|--|------------------------------------|---------------------------------|
| <input type="checkbox"/> IFN-γ | <input type="checkbox"/> IL-1α | <input type="checkbox"/> Eotaxin | <input type="checkbox"/> VEGF-C |
| <input type="checkbox"/> IL-1β | <input type="checkbox"/> IL-5 | <input type="checkbox"/> MIP-1β | <input type="checkbox"/> VEGF-D |
| <input type="checkbox"/> IL-2 | <input type="checkbox"/> IL-7 | <input type="checkbox"/> Eotaxin-3 | <input type="checkbox"/> Tie-2 |
| <input type="checkbox"/> IL-4 | <input type="checkbox"/> IL-12/IL23p40 | <input type="checkbox"/> SABC | <input type="checkbox"/> Fas-1 |
| <input type="checkbox"/> IL-6 | <input type="checkbox"/> IL-15 | <input type="checkbox"/> IP-10 | <input type="checkbox"/> PlGF |
| <input type="checkbox"/> IL-8 | <input type="checkbox"/> IL-16 | <input type="checkbox"/> MIP-1α | <input type="checkbox"/> bFGF |
| <input type="checkbox"/> IL-10 | <input type="checkbox"/> IL-13A | <input type="checkbox"/> MCP-1 | |
| <input type="checkbox"/> IL-13 | <input type="checkbox"/> TNF-β | <input type="checkbox"/> MDC | |
| <input type="checkbox"/> TNF-α | <input type="checkbox"/> VEGF | <input type="checkbox"/> MCP-4 | <input type="checkbox"/> SAA |
| | | | <input type="checkbox"/> CRP |
| | | | <input type="checkbox"/> VCAM-1 |
| | | | <input type="checkbox"/> ICAM-1 |

Date: Wednesday February 5th, 2020
Time: 11 am, seminar room **Hörsaal 4, Schöpfstraße 41, 1. Stock**
Location: Medical University of Innsbruck, Kress Lab: Neurophysiology
Speakers: Dr. H. Nickel, Account Manager & Dr. M. Dürr, Application Scientist

MSD ECL Technology Overview

Electrochemiluminescence provides a wide dynamic range, high sensitivity, and is compatible with complex sample matrices

MSD Multiplex Biomarker-Panels

MSD's MULTI-ARRAY® technology enables researchers to profile many biomarkers simultaneously in a single sample

Biomarker Assays cover a wide Range of Disease Areas

Over 500 immunoassays for a range of applications including immunology, inflammation, oncology, neurobiology, and toxicology, in various assay formats

Seminar Focus: Neuroinflammation and Neurodegeneration

MSD offers a variety of disease-focused biomarker assays and panels

Number of attendees is limited to 20 persons / registration is required / beverages and snacks will be offered

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