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Type VII secretion systems have a key role in the secretion of effector proteins in non-pathogenic mycobacteria and pathogenic mycobacteria such as Mycobacterium tuberculosis. In this Review, ...

Annovis Bio Plans to Build on Alzheimer 's Clinical Trial Positive Results

Mitochrondia are present in almost all cells in the ... of the electron transport chain. " Alongside these in vitro experiments the researchers set out to study this mechanism in human subjects.

Phosphatidic acid is a key common substrate for hepatitis C and SARS-CoV-2 replication

Yan research group has solved a longstanding scientific debate about the mechanism underlying the gamete and embryo transport within the Fallopian tube. Using a mouse model where the animals lacked ... Identifying how chemotherapy drug works could deliver personalized cancer treatment

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The chemotherapy drug decitabine is commonly used to treat patients with blood cancers, but its response rate is somewhat low. Researchers have now identified why this is the case, opening the door to ...

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Engineering small-ion transporter channels

according to a study published ...

Type VII secretion systems: structure, functions and transport models The Council of Scientific and Industrial Research has developed a simpler and cheaper version of the RT-PCR test that will give results within three hours. The method, known as 'Saline-Gargle' RT-PCR ...

Applied Molecular Transport to Present at Jefferies Virtual Healthcare Conference

Maria Maccecchini, PhD, is probably in the best position as anyone to understand Hood's take on Alzheimer's (AD). She once worked as a postdoc in Hood's lab at Caltech. Maccecchini is also the ... Longstanding fallopian tube transport debate solved New antibiotics are sorely needed, and to give us the best chance they should work on a variety of mechanisms ... at work in a bacterial cell, helping the transport machinery move

Paradigm change in cell biology? Protein transport does not appear to work as we thought

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New insights into how too much salt disrupts immune cell function

A new study, released as a preprint on the bioRxiv* server, focuses on the lipid molecule called phosphatidic acid (PA), showing its crucial role in the replication of this virus, and thus its ...

Applied Molecular Transport Inc. (Nasdaq: AMTI) (AMT), a clinicalstage biopharmaceutical company, today announced that Tahir Mahmood, Ph.D., chief executive officer and co-founder, will participate ...

Kinesin superfamily motor proteins and intracellular transport

These three proteins are highly similar in their translational mechanism. By lowering these toxic proteins, we improve the axonal transport, lower inflammation, and protect the nerve cells from dying.

Protecting Nerve Cells in the Fight Against Alzheimer's Disease: Dr. Maria Maccecchini

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In slow motion against antibiotic resistance

There are currently only a few synthetic agents that bind to and block the widespread membrane transport proteins, ATP-binding cassette transporters (ABC). Scientists at Goethe University and the

Paradigm change in cell biology? Protein transport from ER to Golgi apparatus not via COPII-coated vesicles

Wei Yan, MD, Ph.D., and his research group have solved a longstanding mystery and scientific debate about the mechanism underlying the gamete and embryo transport within the fallopian tube. Using a ...

Researcher solves longstanding fallopian tube transport debate

T cells mingle among the immune cells that monitor the meninges, the layered membranes cradling the brain. As mice age, more and more of these cells accumulate there,