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**Bridging The Time Scales Molecular**

With its breathtaking views and striking stature, the Golden Gate Bridge certainly deserves its ... Though not to the same grandiose scale, our brains have similar gateways to connect neurons.

### Molecular bridge mediates inhibitory synapse specificity in the cortex

See allHide authors and affiliations Molecular evolutionary time scales are expected to predate the fossil evidence, but, particularly for major evolutionary radiations, they can imply extremely ...

### Diversification dynamics of total-, stem-, and crown-groups are compatible with molecular clock estimates of divergence times

Tafara Nelson (38) says while chrome mining has been his only source of livelihood for the past decade, it is not rewarding. "Since we don't own mining equipment, we depend on Chinese contractors.

### The high cost of predatory pricing in Zim chrome mining

The mechanisms underlying virus emergence are rarely well understood, making the appearance of outbreaks largely unpredictable. This is particularly true for pathogens with low per-site mutation rates ...

### Genomic Diversity of the Ostreid Herpesvirus Type 1 Across Time and Location and Among Host Species

differentiating and specializing at a mind-boggling scale. Developmental information in that first cell is carried in the location and movement of maternal molecular messages (mRNA). But the ...

### New Method Tracks Cellular RNA in Space and Time

While both methods can determine molecular structures down to the resolution ... who was a postdoctoral associate at Weill Cornell Medicine at the time of the study and is now a faculty member ...

### New super-resolution microscopy method approaches the atomic scale

Researchers at the Max Planck Florida Institute for Neuroscience have discovered that the cell adhesion protein IgSF11 determines the layer-specific synaptic connectivity of a distinct class of ...

### Research sheds light on a new mechanism for inhibitory synapse specificity in the cortex

To circumvent this, we produced a nanoengineered multifunctional platform with molecular-scale spatial control of ligands ... integration in T cells and NK cells (8–11). At the same time, there has ...

### Molecular-scale spatio-chemical control of the activating-inhibitory signal integration in NK cells

Advanced X-ray technology allows researchers to measure from synapse to whole brain level. Researchers at the University of Chicago and the U.S. Department of Energy's ...

### Researchers Image an Entire Mouse Brain for the First Time

These two top growth stocks are ready for whatever the market throws their way next. It's been a rough period for many top stocks lately. High inflation and concerns that the extremely contagious ...

### Now's the Time to Buy These Stocks

Researchers at the Croatian Ru?er Boškovi? Institute (RBI) have discovered the exact molecular mechanism of bridging microtubules ... At the same time, the mitotic spindle begins to elongate ...

### Molecular biologists elucidate the key role of motor proteins in cell division

The bridge, described as being "in poor condition," has one lane of travel in each direction with no shoulders and a 5-foot timber sidewalk.

### Heavily traveled bridge in Middlesex County closing for emergency repairs

With lockdowns set to ease and coronavirus cases surging in the UK, children are being left vulnerable to covid-19. Here's the evidence on the pros and cons of vaccinating under-18s ...

### Is it time for the UK to vaccinate children against covid-19?

The Air Force isn't likely to switch to a more expensive tanker after spending a decade getting Boeing's KC-46 to operate as planned.

### Why The Air Force's "Bridge Tanker" Will Likely Be A Bridge To Nowhere For Airbus

For Tony Jenson, his model aircraft is his pride and joy. Despite all of life's stresses, when he's out in an open field getting his plane ready for flight, all is well in the world. "I've been flying ...

### Hobbyists fly model aircraft at Chenango Bridge Airport

The global sesame oil market share is set to experience a value growth of around 5.5% CAGR over the next ten years. Sesame oil is ...