

Network Models In Population Biology

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Network Models In Population Biology

During recent research a team of scientists at the Keck School of Medicine of USC created what could be a key building block for assembling a synthetic kidney ...

Stem cell research makes progress in building mini-kidneys

Systems biology is a holistic approach to these data that can be applied at the level of the cell, organ, organism, or population, taking a snapshot of all these varying data types and applying ...

Biological Network Modeling and Systems Biology to Advance Our Understanding of Lung Disease

A team of scientists at the Keck School of Medicine of USC has created what could be a key building block for assembling a synthetic kidney ...

Scientists develop artificial mini-kidneys

Implementing AI in healthcare, especially in biopharmaceutical development, could facilitate drug discovery and improve drug safety profiling.

The Promise of Artificial Intelligence in Healthcare

3 Center for Complex Network Research, Department of Physics, Biology and Computer Science ... is crucial to understanding a large variety of complex processes from population dynamics to disease ...

A network framework of cultural history

Mathematical biology is expanding ... membranes. These models help researchers explore how neurons process different types of inputs. They also provide the basis for detailed models involving networks ...

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Mathematical Biology

A team of scientists at the Keck School of Medicine of USC has created what could be a key building block for assembling a synthetic kidney.

Scientists Make a Step Forward in Building Mini-kidneys

The organoids, which resemble a kidney's uretic buds, provide a way to study kidney disease that could lead to new treatments and regenerative approaches for patients. A team of scientists at the Keck ...

Scientists Make Big Progress in Building Mini-Kidneys – “ Essential Milestone Towards Building a Functional Organ ”

A team of scientists at the Keck School of Medicine of USC has created what could be a key building block for assembling a synthetic kidney. In a new study in Nature Communications, Zhongwei Li and ...

Scientists make big progress in building mini-kidneys

These innovations are needed because of the urgency and enormity of challenges facing global agriculture, including the need to feed a rapidly growing population ... and synthetic biology core to ...

REU: Systems Biology of Plant and Microbiome

PLoS Computational Biology 4: e1000110. Volz, E., L.A. Meyers (2008) Static network approximations and ... Theoretical Population Biology, 58: 307-319. Ancel, L.W. (1999) A quantitative model of the ...

Lauren Ancel Meyers

Phelps got his PhD in Integrative Biology from the University ... and information theory, neural network models, the evolution of gene regulation, epigenetics and transcription, sexual selection, ...

Steven M Phelps

Christie Bahlai shares how her entomology research and connections made as an MSU postdoc have contributed to work honored with a National Science Foundation early-career award.

Insects, big data and a passion for open science launch a rewarding career

During recent research, a team of scientists at the Keck School of Medicine of USC created what could be a key building block for assembling a synthet..

Stem cell researchers find key building block to make mini-kidneys

Company outlines significant value creation potential to contribute to the diagnosis of rare diseases and to enable the development of novel therapeutics; Focuses on leveraging it ...

CENTOGENE Sets Mission to Enable the Cure of 100 Rare Diseases Within the Next 10 Years

Gabe has some pretty specific medical issues, ” says Bakersville resident Stephanie Pitman about her 9-year-old son. “ Having doctors and surgeons and specialists that are familiar with those specific ...

Inside Novant Health ’ s plan to make a big difference in pediatric care in region

USC researchers have created what could be a key building block for assembling a synthetic kidney. In a new study, Zhongwei Li and his colleagues describe how they generate rudimentary kidney ...

USC Stem Cell scientists make big progress in building mini-kidneys

A team of scientists at the Keck School of Medicine of USC has created what could be a key building block for assembling a synthetic kidney. In a new study in Nature Communications, Zhongwei Li and hi ...

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