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lcn is the laboratory of computational neuroscience at the swiss federal institute of technology lausanne epfl the lcn is headed by professor wulfram gerstner and has research activities in the area of neural networks and computational neuroscience lcn is the laboratory of computational neuroscience at the swiss federal institute of technology lausanne epfl the lcn is headed by professor wulfram gerstner and has research activities in the area of neural networks and computational neuroscience wulfram gerstner is director of the laboratory of computational neuroscience lcn at the epfl he studied physics at the universities of tuingen and munich and received a phd from the technical university of munich his research in computational neuroscience concentrates on models of spiking neurons the dynamics of spiking neural networks and as director of the laboratory of computational neuroscience lcn at the epfl wulfram gerstner conducts research in computational neuroscience with special emphasis on models of spiking neurons spike timing dependent plasticity and reward based learning in spiking neurons this course designed for physicists and mathematically trained life scientists focuses on biological modeling in particular the dynamics of neurons and learning in neural systems it consists of four parts i models of single neurons ii synaptic changes and learning iii noise and the neural code laboratory of computational neuroscience epfl epfl lcn has 28 repositories available follow their code on github video lectures by wulfram gerstner 14 online lectures each about 90 minutes are organized in short videos of about 5 20 minutes each lectures are based on the textbook neuronal dynamcis cambridge univ press you can also enrol free of charge as auditor for computational neuroscience at epfl edx i foundations of neuronal dynamics it covers classical topics of computational neuroscience such as the hopfield model neural field models and hebbian learning but also includes modern developments in the field of computational neuroscience mathematical prerequisites calculus differential equations probability link to edx epfl page master admission criteria application in addition to this page please consult the general and master s sections of our faq for all information about our admission requirements and processes this page informs you about eligibility conditions the application process important deadlines a key protein preserves motor ability during aging a new study by epfl scientists shows that age related decline in motor ability can be countered in fruit flies by enhancing the expression of the protein trio suggesting potential treatments for age related movement decline as we age we suffer a noticeable decline in motor ability which internships the laboratory of computational neuroscience does not provide summer internships directly to external students however our school has programs for such internships such as summer epfl in computer science or the sv summer research program in life sciences optimality model of unsupervised spike timing dependent plasticity synaptic memory and weight distribution taro toyoizumi and jean pascal pfister and kazuyuki aihara and wulfram gerstner the latest tweets from lnce epfl epfl has a special summer programme for epfl students called summer in the lab besides epfl students can usually inquire directly with faculty members for summer opportunities in their labs i am late my school is on holidays official transcripts take time to process my latest grades will be known only a few days after the deadline epfl login app lionairgroup com 18010 is the portal for employees of lion air group to access various applications and services related to their work such as fms sjpd training record performance evaluation and more to log in you need to enter your user name and password and a captcha code for security if you forgot your password you can reset it by providing your id number and email

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wulfram gerstner epfl Feb 29 2024 wulfram gerstner is director of the laboratory of computational neuroscience lcn at the epfl he studied physics at the universities of tubingen and munich and received a phd from the technical university of munich his research in computational neuroscience concentrates on models of spiking neurons the dynamics of spiking neural networks and

wulfram gerstner people epfl Jan 30 2024 as director of the laboratory of computational neuroscience lcn at the epfl wulfram gerstner conducts research in computational neuroscience with special emphasis on models of spiking neurons spike timing dependent plasticity and reward based learning in spiking neurons

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a key protein preserves motor ability during aging epfl Jul 24 2023 a key protein preserves motor ability during aging a new study by epfl scientists shows that age related decline in motor ability can be countered in fruit flies by enhancing the expression of the protein trio suggesting potential treatments for age related movement decline as we age we suffer a noticeable decline in motor ability which

internships lcn epfl Jun 22 2023 internships the laboratory of computational neuroscience does not provide summer internships directly to external students however our school has programs for such internships such as summer epfl in computer science or the sv summer research program in life sciences

optimality model of unsupervised spike lcn epfl.ch May 22 2023 optimality model of unsupervised spike timing dependent plasticity synaptic memory and weight distribution taro toyozumi and jean pascal pfister and kazuyuki aihara and wulfram gerstner

lnc epfl twitter Apr 20 2023 the latest tweets from lnc epfl

summer epfl Mar 20 2023 epfl has a special summer programme for epfl students called summer in the lab besides epfl students can usually inquire directly with faculty members for summer opportunities in their labs i am late my school is on holidays official transcripts take time to process my latest grades will be known only a

few days after the deadline

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