Devoted to Neuromodulation for more than 20 years!

- In 2000, started to work on the DBS (Deep Brain Stimulation) initiative
- In 2012, set up the national research platform 'National Engineering Laboratory of Neuromodulation Technology'
- In 2016, established Science & PINS prize for Neuromodulation with Science
- PINS DBS products got CE marked
- In 2017, Professor Ali-Louis Benabid, founder of DBS therapy and winner of Lasker Medical Research Awards, visited PINS
- In 2018, PINS ‘Remote programming system of implantable medical devices’ won the gold medal award of Geneva International Invention Exhibition
- In 2019, PINS DBS project won the first prize of 2018 National Science and Technology Progress Award (China’s top Science and Technology Progress Award)

Beijing PINS Medical Co., Ltd. focuses on the development and innovation of neuromodulation technologies, aiming to provide more comprehensive and professional solutions for patients suffering from functional neurological disorder.

www.pinsmedical.com/html/en
info@pinsmedical.com
The 2021 Annual Meeting will convene entirely online, February 8-11 with related pre-released materials available starting in late January. Meeting registration will be available in November.

For more information, please visit:

aaas.org/meetings | #AAASmtg
Eppendorf: Working for a better world for 75 years

Eppendorf is supporting essential businesses and institutions in the fight against the coronavirus. In the year of the company’s 75th birthday, we are thus fulfilling the mission of our founders – to help improve people’s living conditions – in a very special way.

“The mission of our company, as defined by its founders, is as current and relevant today as it was then,” says Eva van Pelt, Co-CEO of Eppendorf AG. This commitment to improve people’s living conditions drove a small group of technical experts led by the company’s founders, Dr. Heinrich Netheler and Dr. Hans Hinz, toward the healthcare sector in the first weeks after World War II. In August 1945, they began repairing urgently needed but defective medical equipment and instruments belonging to University Medical Center Eppendorf in Hamburg. The group was so successful in that task that it soon received its first development orders for new types of equipment from the medical center’s departments.

Eppendorf – an innovative pioneer in medical technology

The innovations developed by Eppendorf – such as the Stimulator, a device to stimulate muscles and nerves, or the Ophthalmochirurg, a kind of forerunner to eye lasers for the treatment of retinal detachment – can be regarded as the archetypes of modern medical technologies now used routinely all over the world. Eva van Pelt points to the important products developed by Eppendorf since its foundation and leaves no doubt that the company’s innovative spirit and determination to advance technically will continue to be reflected in its products in the future. Nowadays, however, Eppendorf no longer operates in the field of medical technology, but as a globally successful manufacturer of laboratory equipment with around 4,000 employees all over the world.

“In our work, we cooperate closely and trustfully with our partners and customers to address the issues of the future,” adds Co-CEO Dr. Peter Fruhstorfer. He notes that Eppendorf is driven by the idea of enabling laboratories to work efficiently, sustainably and with high quality. “Specifically, our aim is to speed up laboratory processes while at the same time reducing potential errors. And we want that to go hand in hand with significant reductions in the workload of laboratory staff.” This is a Herculean task, as Fruhstorfer points out, and one that requires digitalization, the best minds at Eppendorf and the special spirit that exists within the company.

Strong teamwork for quality and innovation

“The pronounced sense of community within the company is one of the keys to Eppendorf’s long-standing success,” Dr. Fruhstorfer explains. The well-being of every employee was always important to the founders of Eppendorf, and this attitude remains an integral part of the company’s distinctive culture to this day. Mutual respect is just as important as the open-minded attitude toward others that can be encountered at Eppendorf throughout the world. In the eight decades of Eppendorf’s presence on the market, these two qualities have been the basis for dialogue, the transfer of knowledge, exchanges of experience and global networking. All of these factors have contributed to the high reliability, good service and special quality of the company’s products and thus to the efficient support provided by equipment, consumables and service that has long made Eppendorf indispensable for many laboratories.

1945
Dr. Heinrich Netheler and Dr. Hans Hinz develop medical diagnostic products; in 1946 their company was renamed “Elektromedizinische Werkstätten GmbH.”

1949
Eppendorf develops a photometer for clinical applications. Over time, it became a world standard for chemical and biochemical analyses.

1961
Eppendorf launches the first piston-stroke microliter pipette, heralding the age of precise and fast pipetting.

1963
A microliter system consisting of reaction vessels, mixers, centrifuges and pipettes is launched. It facilitates and improves laboratory work enormously.

1963
The "Eppi®" reaction vessel is launched on the market. It quickly became indispensable in medical and scientific laboratories worldwide.
The first Multipette® with Combitips® is launched on the market and becomes a bestseller.

Eppendorf develops the air and oil micro-injectors CellTram – for pressure control during manual micro-injection and dosing of liquids.

The Eppendorf line of epMotion automated liquid handling systems is designed to help automate routine pipetting tasks to free up time.

The 4 liter versatile Multipurpose Centrifuge 5910 R with universal rotor and adapter concept and the smallest footprint in the market expands the centrifuge range.

Discover more product innovations online: eppendorf.com/75-years

Pioneer in accuracy, reliability and innovation

1978

> In Liquid Handling, the product range extends from manual pipettes to electronic pipettes and comprehensive pipetting systems.

> Whether tubes, plates, pipette tips, stem cell cultureware or cuvettes: The unique product features of Eppendorf Consumables accelerate and simplify routine tasks and ensure greater reliability in every laboratory.

> Eppendorf is one of the world’s market leaders and full-spectrum supplier in the field of centrifugation: the product range extends from benchtop centrifuges, premium floor-standing centrifuges and ultra-centrifuges to clinical and automated centrifuges.

High-tech developments together with users

In its Business Areas, Eppendorf focuses all its ideas and developments on the needs of the user. Customer requirements determine what innovations are developed, and these are constantly discussed and tested with users through agile working methods – a process that, by the way, was used in Eppendorf’s early days, laying the foundation for the great market success of its equipment.

The result is state-of-the-art equipment technology with sophisticated ergonomics, ensuring that Eppendorf’s products are always up to date. Ideally, they are even a step ahead of the times, like the piston-stroke pipette was when it was launched. Other examples are the Eppendorf centrifuges with their remarkable durability and Eppendorf’s high-tech plastic consumables for use in laboratories.

State-of-the-art technology and the sophisticated ergonomics of the laboratory equipment ensure easy and reliable handling, allowing users to concentrate fully on their research.

“The pronounced sense of community within the company is one of the keys to Eppendorf’s long-standing success.”

Dr. Peter Fruhstorfer, Co-CEO

In this way, Eppendorf actively contributes to research activities around the world every day – and at the moment, to the fight against the Sars-CoV-2 virus – in keeping with the mission that the founders impressed on the company 75 years ago: to improve people’s living conditions.

More information at: eppendorf.com
ADVANCING BIOPHARMACEUTICALS

With over 80 years’ experience in healthcare, Fujifilm is committed to enhancing patient care and addressing unmet medical needs. As a world-leading contract biopharmaceutical manufacturer (CDMO), we’re helping accelerate the development of new drugs with a complete range of services. Our state-of-the-art facilities deliver precise control of process conditions and unmatched productivity. Utilizing our cell biology and bioprocessing expertise, we provide high-quality cell culture media to our biopharma partners for the production of many of the world’s leading drugs. At Fujifilm, we’ll NEVER STOP pushing scientific boundaries to help develop novel therapies and life-changing treatments that create a healthier world for all.

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Stage 1 application period for both calls
September 9, 2020 – October 21, 2020

Exceptional Grants for Exceptional Scientists
Two calls for applications within the areas of **biomedicine & biotechnology**. International Research Leader Grants from the Novo Nordisk Foundation are for outstanding scientists to establish and run their laboratories in Denmark.

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» Grant holders can apply for continued Laureate Research Grant funding, up to DKK 35 million over 7 additional years.

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» Award holders can apply for further funding from other Novo Nordisk Foundation grant programs.

To learn more, please visit: novonordiskfoundation.com
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Congratulations
to Christopher Zimmerman, Ph.D.
Postdoctoral Fellow
Princeton Neuroscience Institute

Meet the Winner

Eppendorf & Science Prize for Neurobiology
Congratulations to Christopher Zimmerman on winning the 2020 Eppendorf & Science Prize for his work on the neural circuits that govern thirst and drinking behavior. Dr. Zimmerman discovered that sensory signals originating throughout the body come together within individual neurons in the brain to produce the sense of thirst. He demonstrated that this new class of body-to-brain signals predicts changes in hydration before they occur and, as a result, adjusts our level of thirst preemptively. Dr. Zimmerman’s research has revealed fundamental principles of ingestive behavior and provided neural mechanisms to explain aspects of everyday human experience.

The annual US$25,000 Eppendorf & Science Prize for Neurobiology honors scientists, like Dr. Zimmerman, for their outstanding contributions to neurobiological research. Christopher Zimmerman is the 19th recipient of this international award. Due to coronavirus (COVID-19), the 2020 winner and finalists will be honored at the Prize Ceremony in November 2021 in Chicago.

You could be next to win this prize.
If you are 35 years of age or younger and currently performing neurobiological research, you could be next to win the 2021 Prize.

Deadline for entries is June 15, 2021.

Learn more at: www.eppendorf.com/prize
Eppendorf & Science 神经生物学奖

恭喜克里斯托弗·齐默尔曼博士因其在研究控制口渴和饮水行为的神经回路方面所做出的贡献获得 2020 年 Eppendorf & Science 神经生物学奖。齐默尔曼博士发现，来自全身的感觉信号汇聚于大脑的各个神经元内，令人产生口渴的感觉。他证明了这种从身体传递至大脑的新一类信号可以在身体含水量发生变化之前做出预测，从而提前调整我们的口渴程度。齐默尔曼博士的研究揭示了摄入行为的基本原理，提供了解释人类各种日常体验的神经机制。

Eppendorf & Science 神经生物学奖每年的奖金为 2.5 万美元，用于奖励齐默尔曼博士这样的科学家在神经生物学研究领域做出的杰出贡献。克里斯托弗·齐默尔曼是这一全球奖项的第 19 位获奖者。由于新冠疫情（COVID-19），2020 年获奖者和最终入围者将在芝加哥举办的 2021 年美国神经科学协会年会典礼上接受颁奖。

您也可能成为下一位获奖者

如果您的年龄不超过 35 岁，并且当前正在进行神经生物学研究，您就可能赢得 2021 年的奖项，成为下一位获奖者。

欲了解更多详情，请登陆: www.eppendorf.com/prize

访问 www.eppendorf.com/prize，了解更多内容
Congratulations

to Christopher Zimmerman, Ph.D.
Postdoctoral Fellow
Princeton Neuroscience Institute

Meet the Winner

Eppendorf & Science 神経生物学賞
Christopher Zimmerman (クリストファー・ツィンマーマン) 氏は、喉の渇きと飲む行動を制御する神経回路の研究で、2020年 Eppendorf & Science 神経生物学賞を受賞されました。おめでとうございます。Zimmerman博士は、体中から発生する感覚信号が脳の個々のニューロン内に集まり、喉の渇きを感じさせることを発見しました。この新しいクラスの体から脳への信号は、水分補給時の変化が起こる前にその変化を予測し、その結果、喉の渇きを予防的に調整することを実証しました。同氏の研究により、摂食行動の基本原理が明らかになり、ヒトの日常的な体験の側面を説明する神経メカニズムが得られました。

毎年25,000 USドルの賞金が与えられる Eppendorf & Science 神経生物学賞は、Zimmerman博士のような優れた科学者に、その神経生物学研究への絶え間ない貢献を讃えて贈られます。同氏はこの国際賞の19人目の受賞者です。新型コロナウイルス（COVID-19）感染症予防のため、2020年の受賞者と最終審査に残った方々は、2021年11月にシカゴで開催される式典で賞が授与されます。

次はあなたの番です。
35歳以下で、現在神経生物学の研究に従事していらっしゃる方ならどなたでも2021年の受賞者になる可能性があります。

応募締切：2021年6月15日

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Hamilton Company and Integrated Micro-Chromatography Systems (IMCS) introduce the affinityPure STAR assay ready workstation for the automation of high-throughput, small-scale affinity purification workflows, such as the Protein A purification of antibodies while screening biotherapeutics against SARS-CoV-2, the novel coronavirus that causes COVID-19. The affinityPure STAR is also ideal for other large-molecule research and manufacturing applications. Specialized affinity purification IMCStips used in the workflow contain resins such as Protein A, with custom formulations available upon request. The resins are loosely packaged in Hamilton’s automation-ready Compressed O-Ring Expansion (CO-RE) pipette tips, which feature a tight seal to ensure precision and accuracy during liquid-handling steps. Patented dispersive mixing technology in the IMCStips facilitates maximum contact between each resin and protein of interest and efficient binding of the target analyte for high recovery during elution. A predefined hardware configuration processes up to 96 samples in 10 min–30 min compared to throughput-limiting and lengthy manual methods such as traditional spin columns.

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BioTek announces that Agilent’s BenchCel Microplate Handler is now added to its portfolio of walkaway automated solutions. The modular BenchCel Microplate Handler is a high-speed robot with an open, flexible, and scalable format to bring efficiency to diverse applications such as ELISA, endpoint add-and-read assays, and cell fix–stain–image processes. By integrating BenchCel between a BioTek liquid-handling device and detection or imaging system, sample throughput is increased while manual intervention is decreased. BenchCel is powered by VWorks software and incorporates an easy-to-use interface for dynamic scheduling of workflows. Additionally, user-friendly software interfaces may be created for a streamlined experience. Compatible BioTek devices include the EL406 Washer/Dispenser, MultiFlo FX Multi-Mode Dispenser, Synergy Neo2 Hybrid Multi-Mode Reader, Epoch 2 Microplate Spectrophotometer, and Cytation 5 Cell Imaging Multi-Mode Reader. With its small footprint, BenchCel may be used on the benchtop or in a biosafety cabinet, and for added flexibility it is compatible with a variety of microplates, including deepwell plates.

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