

Dzhk 2018

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Iatrogenicity - Ihor B. Gussak 2018-02-15

Iatrogenesis is the occurrence of untoward effects resulting from actions of health care providers, including medical errors, medical malpractice, practicing beyond one's expertise, adverse effects of medication, unnecessary treatment, inappropriate screenings, and surgical errors. This is a huge public health issue: tens to hundreds of thousands of deaths are attributed to iatrogenic causes each year in the U.S., and vulnerable populations such as the elderly and minorities are particularly susceptible. Edited by two renowned cardiology experts, *Iatrogenicity: Causes and Consequences of Iatrogenesis in Cardiovascular Medicine* addresses both the iatrogenicity that arises with cardiovascular interventions, as well as non-cardiovascular interventions that result in adverse consequences on the cardiovascular system. The book aims to achieve three things: to summarize the available information on this topic in a single high-yield volume; to highlight the human and financial cost of iatrogenesis; and to describe and propose potential interventions to ameliorate the effects of iatrogenesis. This accessible book is a practical reference for any practicing physician who sees patients with cardiovascular issues. .

Projekttitel: Mitgliedsbeitrag DZHK - 2019

Neurobiology of TRP Channels - Tamara Luti Rosenbaum Emir 2017-08-09

During the last two decades, there has been an explosion of research pertaining to the molecular mechanisms that allow for organisms to detect different stimuli that is an essential feature for their survival. Among these mechanisms, living beings need to be able to respond to different temperatures as well as chemical and physical stimuli. Thermally activated ion channels were proposed to be present in sensory neurons in the 1980s, but it was not until 1997 that a heat- and capsaicin- activated ion channel, TRPV1, was cloned and its function described in detail. This groundbreaking discovery led to the identification and characterization of several more proteins of the family of Transient Receptor Potential (TRP) ion channels. Intensive research has provided us with the atomic structures of some of these proteins, as well as understanding of their physiological roles, both in normal and pathological conditions. With chapters contributed by renowned experts in the field, *Neurobiology of TRP Channels* contains a state-of-the-art overview of our knowledge of TRP channels, ranging from structure to their functions in organismal physiology. Features: • Contains chapters on the roles of several TRP ion channels with a diversity of physiological functions, providing a complete picture of the widespread importance of these proteins. • Presents an overview of the structure of TRP channels, including the roles of these proteins in different physiological processes. •

Discusses the roles of TRP channels in pathophysiological processes, further highlighting their importance. • Features several full color illustrations to allow the reader better comprehension of TRP channels. A volume in the *Frontiers in Neuroscience* series

From GWAS Hits to Treatment Targets - Jeanette Erdmann 2019-08-16

Genome-wide association (GWA) studies, as a prototype of large-scale OMICs studies, have advanced our understanding of the genetic basis of many common diseases. With respect to coronary artery disease (CAD) and cardiovascular risk factors, like lipids, blood pressure or BMI, they have identified hundreds of chromosomal loci that modulate disease risk. Despite their scientific success, GWA studies have been criticized for having failed so far in delivering diagnostically or therapeutically relevant products. However, the ability to achieve such goals has been strengthened recently by further layers of OMICs-based data, including large-scale transcriptomics data, and better annotation of regulatory sequences and epigenetic changes in the genome (e.g. through the ENCODE project), as well as novel tools for bioinformatics analysis, allowing a systems medicine based approach to be applied. All in all, the last decade with its "gold rush of genomic discovery" led to the identification of known and novel pathways involved in the pathogenesis of cardiovascular diseases and point to novel treatment targets. This Research Topic has gathered contributions from scientists working in the field of cardiovascular genetics who have common interests in understanding the pathomechanisms linking genetic association findings and disease to finally translate the findings from large-scale genetic studies into novel treatment options.

Computational Genomics with R - Altuna Akalin 2020-12-16

Computational Genomics with R provides a starting point for beginners in genomic data analysis and also guides more advanced practitioners to sophisticated data analysis techniques in genomics. The book covers topics from R programming, to machine learning and statistics, to the latest genomic data analysis techniques. The text provides accessible information and explanations, always with the genomics context in the background. This also contains practical and well-documented examples in R so readers can analyze their data by simply reusing the code presented. As the field of computational genomics is interdisciplinary, it requires different starting points for people with different backgrounds. For example, a biologist might skip sections on basic genome biology and start with R programming, whereas a computer scientist might want to start with genome biology. After reading: You will have the basics of R and be able to dive right into specialized uses of R for computational genomics such as using Bioconductor packages. You will be familiar with statistics, supervised and unsupervised

learning techniques that are important in data modeling, and exploratory analysis of high-dimensional data. You will understand genomic intervals and operations on them that are used for tasks such as aligned read counting and genomic feature annotation. You will know the basics of processing and quality checking high-throughput sequencing data. You will be able to do sequence analysis, such as calculating GC content for parts of a genome or finding transcription factor binding sites. You will know about visualization techniques used in genomics, such as heatmaps, meta-gene plots, and genomic track visualization. You will be familiar with analysis of different high-throughput sequencing data sets, such as RNA-seq, ChIP-seq, and BS-seq. You will know basic techniques for integrating and interpreting multi-omics datasets. Altuna Akalin is a group leader and head of the Bioinformatics and Omics Data Science Platform at the Berlin Institute of Medical Systems Biology, Max Delbrück Center, Berlin. He has been developing computational methods for analyzing and integrating large-scale genomics data sets since 2002. He has published an extensive body of work in this area. The framework for this book grew out of the yearly computational genomics courses he has been organizing and teaching since 2015.

Optogenetics: An Emerging Approach in Cardiac Electrophysiology - Ming Lei
2020-06-25

Leukocyte Trafficking in Homeostasis and Disease - Joaquin Teixidó 2019-12-30

Cytokine-mediated Organ Dysfunction and Tissue Damage Induced by Viruses - Michael H. Lehmann 2020-02-26

Thomas Ruff: Transforming Photography - 2019-09-03

Over the course of his three-decade career, Thomas Ruff has taken up many approaches to photography in his investigation into the status of the image in contemporary culture. In *Thomas Ruff*, the artist presents new work that continues his ongoing probe into the history, processes, techniques, and technology of photography. One of the most influential photographers working today, Ruff has redefined photography's conceptual possibilities, simultaneously capturing and challenging the essence of the medium as a means for visual experience. He has investigated various photographic genres, including portraiture, the nude, and landscape and architectural photography, using both analog and digital technologies, and culling imagery from scientific archives, print media, and the internet. Presented here is a selection of Ruff's most well-known works, as well as the newer *Tripe/Ruff* series, begun in 2018, which draws on negatives of India and Burma taken in the 1850s by an officer in the East India Company army. Also included is a conversation between Ruff and Okwui Enwezor, which took place at Haus der Kunst in Munich, in connection with the artist's retrospective then on view. The conversation, published here for the first time, has been edited for this volume and examines Ruff's artistic practice and inspiration, serving as an engaging and dynamic introduction to the artist. Published on the occasion of the artist's solo exhibition at David Zwirner, Hong Kong, in 2019, *Thomas Ruff* is available in both English-only and bilingual English/traditional Chinese editions.

Simulating Normal and Arrhythmic Dynamics: From Sub-Cellular to Tissue and Organ Level - Hans Dierckx 2019-10-04

German Medical Data Sciences: Bringing Data to Life - R. Röhrig 2021-06-22
The COVID-19 pandemic has brought into sharp focus the need for the collection of

data. Such data cannot be collected or provided without medical informatics, documentation and health data management. Nor can health data be evaluated and converted into a useful tool for making the important decisions that affect us all without biometrics and epidemiology, bioinformatics and systems biology. This book presents full papers from GMDS & CEN-IBS 2020, the first joint online conference of the German Association of Medical Informatics, Biometry and Epidemiology (GMDS) and the Central European Network & the International Biometric Society (CEN-IBS), held online between 6 and 11 September 2020. The title of the conference was *Bringing Data to Life*, a reference to the increasing amount of data in medical research which is inextricably related to the fast-developing digitalization of the health system. Many challenges must be addressed in order to make use of and benefit from these increasing sources of data, and these can only be faced if all disciplines related to data science work together. The conference aimed to bring together the diverse disciplines within data science, including medical informatics, bioinformatics, biostatistics, epidemiology, public health and medical documentation. Topics covered in the book include central themes relevant to society in general and advances in data technology which support innovations in medical research in particular. The book brings together many topics related to the provision and analysis of data in medicine, and will be of interest to all those working in the field.

Neo Rauch: PROPAGANDA - 2019-09-03

One of the most influential figurative painters of his generation, Neo Rauch presents bold, new work in *PROPAGANDA*. Rauch is widely celebrated for his captivating compositions that bring together figurative painting and surrealism into an entirely new kind of visual encounter. They often hint at broader narratives and histories—seemingly reconnecting with artistic traditions of realism—but they remain dreamlike and impossible to reduce to a single story. Though his art is highly refined and executed with great technical skill, Rauch himself stresses the intuitive, deeply personal nature of how he works. As the artist notes, “My process is far less a reflection than it is drawing from the sediments of my past, which occurs in an almost trance-like state.” Eight large-scale canvases and seven smaller, more intimately scaled works continue the artist's exploration of figuration and the ambiguous nature of meaning in visual art. In some of the larger works, the saturation of the canvas with characters, objects, and, forms, all rendered at different scales and in conflicting arrangements, creates a collage-like quality—a figurative scrapbook of Rauch's personal iconography. The publication features a short story by acclaimed novelist and playwright Daniel Kehlmann, which was inspired by the paintings in this book. The fantastical text moves between present-day New York and an unknown time of enchanted forests, knights, and witches, exploring the many layers found in Rauch's canvases. Published on the occasion of the artist's solo exhibition at David Zwirner, Hong Kong in 2019, *Neo Rauch: PROPAGANDA* is available in both English-only and bilingual English/traditional Chinese editions.

Platelet signatures and psoriasis in cardiac dysfunction - Albert Sickmann 2020

Wolfgang Tillmans - Wolfgang Tillmans 2018-06-19

Presenting recent developments in Wolfgang Tillmans's portraiture and still lifes, *Wolfgang Tillmans: DZHK Book 2018* features a broad selection of new and recent works that respond to their surroundings while at the same time embodying a self-contained environment. Few artists have shaped the scope of contemporary art and influenced a younger generation more than Wolfgang Tillmans. Since the early

1990s, his works have epitomized a new kind of subjectivity in photography, pairing intimacy and playfulness with social critique and the persistent questioning of existing values and hierarchies. Through his seamless integration of genres, subjects, techniques, and exhibition strategies, he has expanded conventional ways of approaching the medium, and his practice continues to address the fundamental question of what it means to create pictures in an increasingly image-saturated world. Published on the occasion of Tillmans's exhibition at David Zwirner in Hong Kong in 2018, this fully bilingual catalogue juxtaposes pictures of intimacy and friendship with views and angles of the world at large. An aerial view of the Sahara desert displays almost infinite detail while being monochromatic and near-abstract in appearance. In line with Tillmans's interest in exhibitions as amplifiers of a particular, underlying perspective, each of the works engages in an intricate system of relationships between its aesthetic elements, subject, and institutional setting. Seen together, they implicate the viewer as an active part of the dialogue. The 2016 interview with author Allie Biswas of *The Brooklyn Rail* has been edited and expanded by the artist for this catalogue.

Resolution Pharmacology - Innovative Therapeutic Approaches Based on the Biology of Resolution to Control Chronic Diseases of Western Societies - Mauro Perretti 2019-11-04

In this eBook, we have grouped together 16 original contributions which have addressed the translational potential for therapeutics developed on the conceptual framework of the resolution of inflammation. The take home message of our effort, and the efforts of our colleagues who wrote these pieces, is that completely different drugs can be designed and modelled on the mediators and targets of resolution. By implementing this 180° shift in the way we plan the drug development programme (that is by focusing on agonists and/or promoting the actions of pro-resolution agonists) we can offer a fresh approach to the clinical management of chronic diseases that affect the modern society. With this series of articles we foresee the birth of Resolution Pharmacology. The 16 contributions presented herein confirm the broad relevance of pro-resolving physio-pharmacology with the description of pro-resolving mechanisms in distinct diseases, from atherosclerosis and heart infarct, to cystic fibrosis and diabetes. This testifies on one hand the fundamental role that inflammatory mechanisms play in virtually all pathological settings and, on the other hand, the great potential that a novel approach to anti-inflammatory therapy by exploiting resolution mediators and targets may have. Thus, while there is broad recognition that evidence-based interventions have transformed cardiovascular, inflammation and endocrine care, new therapies are still needed for growing numbers of patients with unmet needs. As an example, an estimated 17 million people world-wide die annually of cardiovascular diseases, particularly heart attacks and strokes. Cardiovascular diseases occur almost equally in men and women and are the leading cause of death and morbidity worldwide. It is estimated that only 1/1,000 compounds entering preclinical testing are then trialled in man and the actual cost of developing a new therapeutic into clinical practice has grown exponentially over the past two decades (estimated \$1.2B). Over the last 20 years or more, scientists have appreciated the biology of the resolution of inflammation, which provides a new paradigm in our understanding of the inflammatory process with the appreciation of genetic, molecular and cellular mechanisms that are engaged to actively resolve inflammation. The 'resolution of acute inflammation' is enabled by counter-regulatory checkpoints to terminate the host reaction while at the same time

promoting healing and repair. The potential of lipid mediators to enact pro-resolving effects in the context of cystic fibrosis is presented by Recchiuti et al., while Fredman reasons on the potential for these molecules in atherosclerosis. This resonates well with the contributions from Bäck and colleagues who have focused on pro-resolving receptors to offer vasculo-protection in intimal hyperplasia and more generally in cardiovascular disease. On the same vein is the scholar contribution of Leoni and Soehnlein who focus on heart disease, with Qin et al. presenting the latest findings on the effect of an Annexin A1-derived peptide in myocardial infarction. Hansen et al. and de Gaetano et al. bring in the complexity of diabetes and associated morbidity with a focus on specialised pro-resolving lipid mediators but also introducing the potential of dietary approaches. As the western diet favours disease, an omega-3 rich diet can lead to higher availability of lipid mediators to afford tissue protection if not reverting its pathological status. Docosahexaenoic acid and its bioactive derivatives are endowed with potent anti-nociceptive properties following bone fracture, as shown by Zhang et al. The broad relevance of the pharmacological approach reaches the skin with Resolvin D1 protecting against UV irradiation (Saito et al.). Reduced skin inflammation is also achieved with an Annexin A1 peptide that impacts on the outcome of heterologous transplantation (Lacerda et al.). Indeed, modulating the phenotype of immune cells can provide long lasting beneficial outcomes, as attained with CDK inhibitors (Cartwright et al.) and PI3K inhibitors in experimental gout (Galvao et al.). Such an effect is also achieved with a third group of pro-resolving therapeutics, the melanocortin receptor agonists, with important modulation of macrophage reactivity (Patrino et al.) with Spana et al., providing new pharmacology following selective activation of the MC1 receptor. Finally, Hopkin et al. discuss the potential for targeting immune cell trafficking as a way to control immune mediated diseases, bringing in not only pro-resolving mediator agonists, but also approaches to reduce chemo/cytokine gradients or modulating S1P and 11-beta hydroxysteroid dehydrogenase. Finally, we wish to highlight that this wealth of science has also brought to the forefront specific pro-resolving receptors (including FPR2/ALX, GPR32, ChemR23 and MC1), all G protein coupled receptors that are therefore amenable to pharmacological exploitation for drug discovery programmes. We see that not only agonists to the receptors can be developed, some of them modelled on the natural ligands (e.g. resolvins, lipoxins, Annexin A1-derived peptides or melanocortin peptides), but also that the creativity of this pharmacology can be attained through biased ligands and positive allosteric modulators. Deep knowledge of pro-resolving receptor biology and their cell-specific signalling can accelerate the generation of novel anti-inflammatory depicted on the resolution of inflammation. In conclusion, with this eBook, we propose time is ready to exploit the concepts of resolution and use its targets and mediators for the identification of better drugs to establish 'Resolution Pharmacology'. We predict Resolution Pharmacology will represent an important innovation in the way common diseases will be treated in the next decades of this millennium.

Kandis Williams - Kandis Williams 2022-03-08

The inaugural volume in a new series from David Zwirner Books.

[Antithrombotic Therapy](#) - Richard C. Becker 2010-12-31

Clinical application of antithrombotic therapy in both arterial disease (acute coronary syndromes, acute MI, peripheral arterial disease, valvular heart disease, atrial fibrillation) and venous disease, (venous thromboembolic disease and pulmonary embolism). Results of major clinical trials and their implications for

clinical practice.

Extracellular Vesicle-Mediated Processes in Cardiovascular Diseases - Rory R. Koenen 2018-10-19

It is long known that many cells can shed extracellular vesicles, small membrane-enclosed cell fragments. Although the existence of extracellular vesicles has been recognized for many years, researchers are only beginning to understand their physiologic significance. Several recent studies have demonstrated that extracellular vesicles released from cells serve as a mode of cellular communication. They can carry diverse molecular payload (e.g. nucleic acids, bioactive lipids and proteins) to distal organs and recipient cells. Extracellular vesicles can be classified into three major groups: exosomes, microvesicles, and apoptotic bodies. All these types of extracellular vesicles can be found in a variety of biologic specimen and their numbers, distribution and composition may serve as biomarkers for various disorders, including cardiovascular disease. Although extracellular vesicle-mediated processes are currently best characterized in the fields of cancer biology and neurobiology, evidence is accumulating that extracellular vesicles play a key role in the pathophysiology of diabetes, thrombosis, inflammation and cardiovascular calcification. In this Research Topic, we invited review and methodological articles that advance our understanding of extracellular vesicle-related processes in vascular biology.

German Medical Data Sciences 2022 - Future Medicine: More Precise, More Integrative, More Sustainable! - R. Röhrig 2022-08-31

The aim of medical research has always been to gain scientific knowledge which will serve to improve the diagnosis, therapy and prevention of diseases. It is also becoming increasingly important to take account of the changing circumstances of medical care. Factors such as the ageing of society and the recent pandemic have not only led to greater use of medical care, but have also put the human resources and infrastructural basis of the health system under great pressure. Such developments call for science-based solutions which can better adapt medical action to the needs of patients to ensure that medicine remains affordable and accessible for all. This book is the 6th volume of the German Medical Data Science series in Studies in Health Technology and Informatics and presents the proceedings of the joint conference of the 67th Annual Meeting of the German Association of Medical Informatics, Biometry, and Epidemiology (GMDS) and the 14th Annual Meeting of the Technology and Methods Platform for Networked Medical Research (TMF). The conference was entitled Medicine in Transition - More Precise, More Integrative, More Sustainable. It was due to be held from 21-25 August 2022 in Kiel, Germany, but was changed to an online event on the same dates due to an increasing surge in cases of coronavirus. The pandemic has not only disrupted the planning of many events, it has also impressively demonstrated the importance of technical and methodological aspects of digitization. The 13 papers included here address the challenges and opportunities for the digitization so vital for the functionality of the modern healthcare system, and the book will be of interest to all those involved in the planning and delivery of healthcare.

[Encyclopedia of Cardiovascular Research and Medicine](#) - 2017-11-27

Encyclopedia of Cardiovascular Research and Medicine offers researchers over 200 articles covering every aspect of cardiovascular research and medicine, including fully annotated figures, abundant color illustrations and links to supplementary datasets and references. With contributions from top experts in the field, this book is the most reputable and easily searchable resource of cardiovascular-focused basic and translational content for students, researchers, clinicians and

teaching faculty across the biomedical and medical sciences. The panel of authors chosen from an international board of leading scholars renders the text trustworthy, contemporary and representative of the global scientific expertise in these domains. The book's thematic structuring of sections and in-depth breakdown of topics encourages user-friendly, easily searchable chapters. Cross-references to related articles and links to further reading and references will further guide readers to a full understanding of the topics under discussion. Readers will find an unparalleled, one-stop resource exploring all major aspects of cardiovascular research and medicine. Presents comprehensive coverage of every aspect of cardiovascular medicine and research Offers readers a broad, interdisciplinary overview of the concepts in cardiovascular research and medicine with applications across biomedical research Includes reputable, foundational content on genetics, cancer, immunology, cell biology and molecular biology Provides a multi-media enriched color-illustrated text with high quality images, graphs and tables.

Wolfgang Tillmans: DZHK Book 2018 - Wolfgang Tillmans 2018-06-12

Presenting recent developments in Wolfgang Tillmans's portraiture and still lifes, Wolfgang Tillmans: DZHK Book 2018 features a broad selection of new and recent works that respond to their surroundings while at the same time embodying a self-contained environment. Few artists have shaped the scope of contemporary art and influenced a younger generation more than Wolfgang Tillmans. Since the early 1990s, his works have epitomized a new kind of subjectivity in photography, pairing intimacy and playfulness with social critique and the persistent questioning of existing values and hierarchies. Through his seamless integration of genres, subjects, techniques, and exhibition strategies, he has expanded conventional ways of approaching the medium, and his practice continues to address the fundamental question of what it means to create pictures in an increasingly image-saturated world. Published on the occasion of Tillmans's exhibition at David Zwirner in Hong Kong in 2018, this fully bilingual catalogue juxtaposes pictures of intimacy and friendship with views and angles of the world at large. An aerial view of the Sahara desert displays almost infinite detail while being monochromatic and near-abstract in appearance. In line with Tillmans's interest in exhibitions as amplifiers of a particular, underlying perspective, each of the works engages in an intricate system of relationships between its aesthetic elements, subject, and institutional setting. Seen together, they implicate the viewer as an active part of the dialogue. The 2016 interview with author Allie Biswas of The Brooklyn Rail has been edited and expanded by the artist for this catalogue.

Wolfgang Tillmans - Wolfgang Tillmans 2006-01-01

Few artists have changed the manner in which photographic images are made, read, and received over the past two decades as dramatically as German photographer Wolfgang Tillmans (b. 1968). One of the most important and distinctive artists to emerge in the 1990s, Tillmans's work is internationally recognized for its powerful reflections on the often overlooked objects and moments in everyday life. With images culled from the entirety of Tillmans's career, this generously illustrated book accompanies the artist's first retrospective exhibition in the United States and features the potent effects of his portraits, abstractions, and structural and sculptural motifs. Essays by leading scholars examine the context of the German art and pop cultural scene in which Tillmans first began working in the late 1980s; his use of magazines as both venue and source materials; his unique approach to portraiture; his ability to create a sense of intimacy between the viewer and subjects ranging from his friends to cultural figures and heads of

state; and his distinctive approach to presenting his images in displays and installations. A fascinating look at the breadth of Tillmans's career to date, including his most recent new work, this book demonstrates the renowned abilities of one of the art world's most revolutionary photographers.

Bioresorbable Scaffolds - Yoshinobu Onuma 2017-10-02

This book focuses on the coronary bioresorbable scaffold, a new interventional treatment for coronary artery disease, differentiated from a permanent metallic stent. The book provides an overview of the technology including non-clinical studies and clinical evidences in order to help clinicians understand the appropriate application of the technology and the optimal techniques of implantation. It covers the basics of bioresorbable scaffolds; bench test results; preclinical studies; clinical evidences; and tips and tricks of implantation.

Conor Donlon - 2016

"For many years I have thought about the possibility of creating monothematic portrait books of friends I have photographed over a long period. Finally I had the time over Christmas to begin this process and I

Cardiac Resynchronization Therapy - Cheuk-Man Yu 2009-01-26

Cardiac Resynchronization Therapy continues to evolve at a rapid pace. Growing clinical experience and additional clinical trials are resulting in changes in how patients are selected for CRT. This new edition of the successful Cardiac Resynchronization Therapy builds on the strengths of the first edition, providing basic knowledge as well as an up-to-date summary of new advances in CRT for heart failure. Fully updated to include information on technological advances, trouble shooting and recent key clinical trials, and with nine new chapters, this expanded text provides the latest information, keeping the reader up-to-date with this rapidly evolving field. The second edition of Cardiac Resynchronization Therapy is an essential addition to your collection.

Michael Borremans: Fire from the Sun - Michael Borremans 2018-05-22

The first in a series of small-format publications devoted to single bodies of work, *Fire from the Sun* highlights Michaël Borremans's new work, which features toddlers engaged in playful but mysterious acts with sinister overtones and insinuations of violence. Known for his ability to recall classical painting, both through technical mastery and subject matter, Borremans's depiction of the uncanny, the perhaps secret, the bizarre, often surprises, sometimes disturbs the viewer. In this series of work, children are presented alone or in groups against a studio-like backdrop that negates time and space, while underlining the theatrical atmosphere and artifice that exists throughout Borremans's recent work. Reminiscent of cherubs in Renaissance paintings, the toddlers appear as allegories of the human condition, their archetypal innocence contrasted with their suggested deviousness. In his accompanying essay, critic and curator Michael Bracewell takes an in-depth look into specific paintings, tackling both the highly charged subject matter and the masterly command of the medium. He writes, "The art of Michaël Borremans seems always to have been predicated on a confluence of enigma, ambiguity, and painterly poetics—accosting beauty with strangeness; making historic Romanticism subjugate to mysterious controlling forces that are neither crudely malevolent nor necessarily benign." Published on the occasion of Borremans's eponymous exhibition at David Zwirner in Hong Kong, this publication is available in both English-only and bilingual English/traditional Chinese editions.

Projekttitel: Mitgliedsbeitrag DZHK - C.W. Hamm 2019

Proceedings of KININ2018CLE, Cleveland, Ohio, June 18-20, 2018: A Compendium of the Presentations - Alvin H. Schmaier 2020-01-14

Methods in General Cardiovascular Medicine - Silvia Marchiano 2023-09-29

This Research Topic is part of the Methods in Cardiovascular Medicine series. Please submit your article to the Research Topic that best suits the focus of your research. Introduction and general guidelines: This series aims to highlight the latest experimental techniques and methods used to investigate fundamental questions in general cardiovascular medicine that are not covered by our current specific sections. Review articles or opinions on methodologies or applications including the advantages and limitations of each are welcome. This Topic includes technologies and up-to-date methods which help advance science.

Transcatheter Treatment of Tricuspid Valve Regurgitation - Fabien Praz 2020-07-31

Severe tricuspid regurgitation (TR) is a common valvular heart disease with an incidence of approximately 4% in the adult general population. Most commonly, it results from secondary causes including left ventricular dysfunction, mitral regurgitation and pulmonary arterial hypertension. Isolated severe TR has been identified as an independent predictor of death and cardiac adverse events. Furthermore, TR has been observed to develop late after left-sided valve surgery in up to 10% of patients with adverse impact on clinical outcomes. Perioperative mortality after surgical correction of TR has been reported to range between 2 and 10%. Moreover, a relevant proportion of patients with TR have already undergone open-heart surgical procedures and reoperation has been associated with an excessive risk of mortality. As a result, less invasive treatment options using transcatheter techniques may address an unmet need among high risk and inoperable patients. Different concepts for the percutaneous treatment of symptomatic severe TR have been developed including annular reduction, restoration of coaptation, and edge-to-edge repair. Worldwide, an increasing number of patients is treated using these emerging techniques and early clinical results begin to be available.

Projekttitel: elucidation of mechanotransducing elements and of the role of AT1 receptors in renin secreting cells - 2019

TAVI and The Challenges Ahead - Crochan John O'Sullivan 2020-10-23

This eBook is a collection of articles from a Frontiers Research Topic. Frontiers Research Topics are very popular trademarks of the Frontiers Journals Series: they are collections of at least ten articles, all centered on a particular subject. With their unique mix of varied contributions from Original Research to Review Articles, Frontiers Research Topics unify the most influential researchers, the latest key findings and historical advances in a hot research area! Find out more on how to host your own Frontiers Research Topic or contribute to one as an author by contacting the Frontiers Editorial Office: frontiersin.org/about/contact.

Leon of Juda - Robert Frank 2017

Leon of Juda is the seventh book in Robert Frank's (born 1924) acclaimed series of visual diaries, which combine iconic photos from throughout his career with the more personal pictures he makes today. Here, still lifes taken in Frank's home in Bleecker Street, New York, and landscapes around his house in Mabou, Nova Scotia, jostle alongside spontaneous portraits of friends, colleagues and his wife, the artist June Leaf, as well as vintage postcards. With these images Frank creates a seemingly casual layout that recalls the look and spirit of a private album or scrapbook. Equally humble and ambitious, Leon of Juda shows how the past tempers Frank's present and how his life is not only documented in, but shaped by,

bookmaking.

The EACVI Textbook of Cardiovascular Magnetic Resonance - Victor Ferrari

2018-09-13

This highly comprehensive and informed textbook has been prepared by the Cardiovascular Magnetic Resonance section of the European Society of Cardiology association on imaging, the EACVI. The EACVI Textbook of Cardiovascular Magnetic Resonance is the authority on the subject. The textbook is aligned with ESC Core Curriculum and EACVI Core Syllabus for CMR. It is a practical resource and provides a disease orientated outlook on the subject. Structured with thirteen clear and detailed sections, ranging from Physics to Methodology, and featuring specific sections on ischemic heart disease, myocardial disease, pericardial disease, and congenital heart disease and adult congenital heart disease, The EACVI Textbook of Cardiovascular Magnetic Resonance provides extensive knowledge across the entire subject area in CMR. Beautifully illustrated and physical principles enriched with schematic animations, the textbook is advanced further with key video content based on clinical cases. Written by leading experts in the field from across the world, the textbook aims to summarise the existing research and clinical evidence for the various CMR indications and provide an invaluable resource for cardiologists and radiologists across the board. The textbook is ideal for cardiologists and radiologists new to the field of Cardiovascular Magnetic Resonance, those preparing for ESC certification in CMR, and those established in the field wishing to gain a deep understanding of CMR. Online access to the digital version is included with purchase of the print book, with accompanying videos referenced within the text available on Oxford Medicine Online.

Carol Bove - 2019-12-17

Carol Bove presents new work by "sculpture's woman of steel," as coined by Randy Kennedy in The New York Times. Her new sculptures expand on her investigations of materiality and form. Characterized by compositions of various types of steel, Bove's ongoing series of "collage sculptures," begun in 2016, amalgamates theoretical and art-historical influences across time periods and disciplines. To create these lyrical and abstract assemblages, Bove pairs fabricated tubing that has been crushed and shaped at her studio with found metal scraps and a single highly polished disk. Luminous color is applied to parts of the composition, transforming the steel—more commonly associated with inflexibility and heft—into something that appears malleable and lightweight, like clay, fabric, or crinkled paper. Bove's new works are smaller in scale and elaborate on the "collage sculptures," with more complex forms that twist, fold, and bend into postures that belie their material construction. Bove manipulates steel to varying degrees,

rendering gentle folds in some, and extreme, almost anthropomorphic contortions in others. Their contrasting textures—matte, glossy, or rough—create a further sense of visual play, heightening the surface tension throughout. The publication features a new interview with the artist by Johanna Burton. Published on the occasion of the artist's solo exhibition at David Zwirner, Hong Kong in 2019, Carol Bove is available in both English only and bilingual English/traditional Chinese editions.

The Cars - Wolfgang Tillmans 2015

This book looks at a cross section of what cars

Remnants of an Exodus - 2021-01-15

The ESC Handbook on Cardiovascular Pharmacotherapy - Juan Carlos Kaski 2019-05-23

The ESC Handbook on Cardiovascular Pharmacotherapy, based on the most recent guidelines in cardiovascular pharmacology, and containing a comprehensive A-Z formulary of common and less commonly used cardiac drugs and drug groups, provides practical and accessible guidance on all areas of drugprescribing. Previously published as *Drugs in Cardiology*, this new edition has been developed by the ESC Working Group on Cardiovascular Pharmacology. Pharmacology is an integral aspect in almost all disciplines within cardiology and all cardiologists use cardiovascular drugs. Completely updated and aligned with the ESC Clinical Practice Guidelines for prescribing, this handbook is essential reading for consultants, registrars in training, general practitioners, specialist cardiac nurses and cardiovascular pharmacologists.

Cardiomyocyte Microdomains: An Emerging Concept of Local Regulation and Remodeling - Alexey V. Glukhov 2020-07-08

Marcel Dzama: Crossing the Line - Marcel Dzama 2019-04-23

Lying deep within the urban metropolis of Hong Kong, Happy Valley is one of the most iconic racecourses in the world. It is also the chief source of inspiration for a new body of work by American artist Marcel Dzama. Jockeys ride through waves and cathedrals, Chinese symbols pulled from racing paraphernalia adorn the edges of paper, and bats swoop, hunting for prey. Dzama's distinct visions of the racetrack come alive through a series of large-scale paintings and drawings, transposing imagery from his prolific oeuvre into this adrenaline-filled sporting arena. His new works reflect on the culture of horseracing and how the track has become not only a symbol of sport, but also of commerce, class, and wealth. The publication includes a conversation between Dzama and Laila Pedro. Published on the occasion of his solo exhibition at David Zwirner, Hong Kong in 2019, Marcel Dzama: Crossing the Line is available in both English only and bilingual English/traditional Chinese editions.