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*Molecular mechanisms of
myocardial remodeling.
The main objective of Cardiac*

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Remodeling: Molecular Mechanisms is to summarize the major research advances in molecular, biochemical and translational aspects of cardiac remodeling over the last 2 to 3 decades under one cover and touch on future directions. It

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*provides a high profile and
valuable publication resource on
molecular mechanisms of cardiac
remodeling for both the present
and future ...*

*Discovery of cells that heal
cardiac damage after infarction*

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Although several reviews cover the known mechanisms by which exercise regulates the health and adaptation of the heart and vasculature [e.g., (12, 21-25)], we highlight in this short review knowledge of how cardiac metabolism changes with

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exercise as well as recent findings of how exercise-induced changes in metabolism may drive cardiac remodeling.

*Molecular Mechanisms of Sympathetic Remodeling and ...
"Specifically, this protein*

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participates in the collagen synthesis of the cardiac extracellular matrix and is crucial to the ventricular remodeling process", says the researcher Adrián Ruiz-Villalba.

Molecular Mechanisms of Cardiac

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Remodeling and ...

The main objective of Cardiac Remodeling: Molecular Mechanisms is to summarize the major research advances in molecular, biochemical and translational aspects of cardiac remodeling over the last 2 to 3

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decades under one cover and touch on future directions. It provides a high profile and valuable publication resource on molecular mechanisms of cardiac remodeling for both the present and future ...

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*Concurrent Session 4B | Novel
Pathogenic Pathways in ...*

*This review describes the
composition and homeostasis in
normal cardiac interstitial matrix
and introduces cellular and
molecular mechanisms involved
in cardiac fibrosis. We also*

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characterize the ECM alteration in the fibrotic response under diverse cardiac pathological conditions and depict the role of matricellular proteins in the pathogenesis of cardiac fibrosis.

Molecular Mechanisms in Heart

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*Failure: Focus on Cardiac ...
|t Molecular Mechanisms of
Remodeling After Myocardial
Injury and Infarction -- |t
Subcellular Remodeling and
Cardiac Dysfunction Due to
Ischemia-Reperfusion Injury / |r
Naranjan S. Dhalla, Vijayan*

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Elimban, Larry Hryshko, Darren H. Freed -- |t Role of MicroRNAs in Cardiac Hypertrophy and Postinfarction Remodeling / |r Jian Ding, Da-Zhi Wang -- |t Negative Regulators of Inflammation as ...

Cardiac remodeling molecular

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mechanisms
Understanding the molecular mechanisms of retinoid receptors in the regulation of cardiac metabolism and remodeling under diabetic conditions is important in providing the impetus for generating novel

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therapeutic approaches for the prevention and treatment of diabetes-induced cardiac complications and heart failure.

Pathological ventricular remodeling: mechanisms: part 1 of 2

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Left ventricular hypertrophy (LVH) is the most typical cardiac abnormality in continual kidney illness (CKD), and the survival danger ratio in such sufferers is unbiased. This e-book examines the molecular mechanisms, remedies and medical implication

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of cardiac transforming.

*Molecular Mechanisms of Retinoid
Receptors in Diabetes ...
Underlying mechanisms remain
unclear, although sex differences
have been described in cardiac
structure, LV diastolic function,*

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ventricular-arterial stiffness, and aging. 177 Males, both human and animal models, tend to develop eccentric LV remodeling in response to stress, whereas females develop concentric remodeling. 177 In addition, women display enhanced

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*regression of LV hypertrophy
after ...*

*"Reparative" cardiac fibroblasts
play key role in ...*

*The last decade has seen
tremendous progress in the
understanding of the molecular*

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mechanisms of heart failure. This article highlights some recent advances in the analysis of molecular mechanisms related to cardiac hypertrophy, oxidative stress, inflammation, angiogenesis, and apoptosis.

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*Extracellular matrix remodeling
and cardiac fibrosis ...
Pathological ventricular
remodeling: mechanisms: part 1
of 2 ... the need for new
therapeutic advances and novel
medical devices is urgent.
Disease-related left ventricular*

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remodeling is a complex process involving cardiac ... Here, we review molecular and cellular mechanisms governing pathological ventricular remodeling ...

Pathological Ventricular

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*Remodeling | Circulation
Mechanisms of
ischemia/reperfusion tissue injury
and post injury responses:
myocardial stunning, infarction,
hibernation, early post-ischemic
cardiac remodeling, cellular and
molecular mechanisms that*

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*govern the biology of stem cells
in ischemic heart disease.*

*Cardiac Remodeling - Molecular
Mechanisms | Bodh I ...
Molecular Mechanisms of Cardiac
Remodeling and Regeneration in
Physical Exercise . by Dominik*

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Munich, Germany. 2.

*Molecular Mechanisms of Cardiac
Remodeling and ...*

*The research also reveals the
molecular mechanisms involved
in the activation of these ...
cardiac matrix and is crucial for*

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the process of ventricular remodeling," in the words of ...

*Metabolic Mechanisms of Exercise-Induced Cardiac Remodeling
Molecular Mechanisms in Heart Failure: Focus on Cardiac Hypertrophy, Inflammation,*

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Angiogenesis, and Apoptosis

Denise Hilfiker-Kleiner, Ulf

Landmesser, Helmut Drexler

Heart failure is a major health care burden, and despite significant therapeutic advances, morbidity and mortality in heart failure remain unacceptably high.

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*This review highlights several
advances in understanding of
molecular ...*

*Cardiac Remodeling Molecular
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Pathological molecular*

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mechanisms involved in myocardial remodeling contribute to alter the existing structure of the heart, leading to cardiac dysfunction. Among the complex signaling network that characterizes myocardial remodeling, the distinct

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*processes are myocyte loss,
cardiac hypertrophy, alteration of
extracellular matrix homeostasis,
fibrosis, defective autophagy,
metabolic ...*

*Cardiac Remodeling |
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*Molecular Mechanisms of Cardiac
Remodeling and Regeneration in
Physical Exercise Cells. 2019 Sep
23;8(10):1128. doi:
10.3390/cells8101128. Authors
Dominik ...*

A Review of the Molecular

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*Mechanisms Underlying the ...
"Remodeling" implies changes
that result in rearrangement of
normally existing structures. This
review focuses only on
permanent modifications in
relation to clinical dysfunction in
cardiac remodeling (CR)*

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secondary to myocardial infarction (MI) and/or arterial hypertension and includes a special section on the senescent heart, since CR is mainly a disease of the elderly.

MPPB | NIH Center for Scientific

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Review

*Molecular Mechanisms of
Myocardial Reverse Remodeling
After Myocarditis Yasushi Fujio,
MD, Suita, Japan. 11:15 am A Tale
of Two Stories: Impact of Tobacco
Smoke. Ronglih Liao, PhD, Palo
Alto, California. 11:30 am Tsg101*

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*Facilitates P62-Dependent Keap1
Sequestration in Cardiomyocytes
to Protect Hearts Against
Oxidative Damage*

*Molecular Mechanisms in Heart
Failure | JACC: Journal of ...
Sympathetic nerve sprouting,*

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electrical remodeling and the mechanisms of sudden cardiac death. Cardiovasc Res . 2001 ; 50 :409-416. doi: 10.1016/S0008-6363(00)00308-4.

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