aqur biosciences

A new standard in cholesterol therapy

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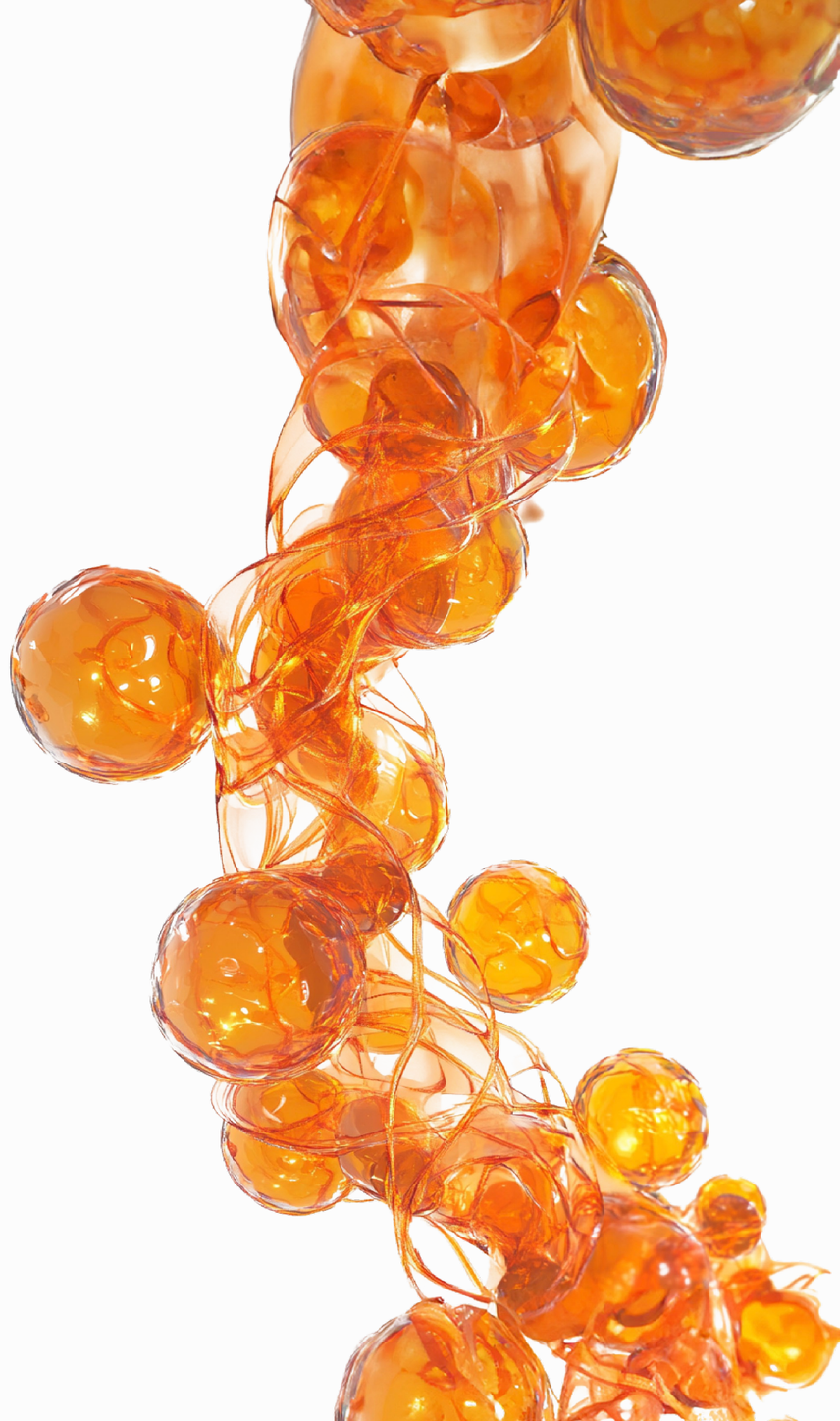
Agenda



About Aqur

A pioneering bioscience company headquartered in Westlake Village, California, United States

Developing a revolutionary oral therapy targeting high cholesterol, addressing a $25+ billion market

Core Values

Team

Our team consists of world-renowned scientists, researchers, and industry experts with deep expertise in bioscience, pharmaceutical discovery, and cardiovascular health. Collectively, the team has contributed to the development of over 30 commercial drugs, generating more than $10 billion in sales.

Vision

Pioneering a future where cardiovascular disease caused by high cholesterol is effectively treated with cutting-edge, and patient-friendly therapies.

Mission

Dedicated to advancing breakthrough treatments that address some of the most urgent health challenges, ensuring safety, efficacy, affordability, and accessibility.

High Cholesterol & Cardiovascular Disease

CVD

High cholesterol is a major contributing factor to the Cardiovascular Disease (CVD)

>1 billion

People suffer from high cholesterol globally, affecting approximately ~39% of adults (~94M Americans)

#1

CVD is the number 1 cause of death worldwide, responsible for ~31% of all annual global deaths

18.6 million

Annual cardiovascular deaths, with ~ 85% attributable to atherosclerotic CVD, primarily caused by elevated LDL

Current Cholesterol Therapeutics: Statins

MoA

Competitive inhibition of enzyme HMG-CoA reductase

LDL

Typical reduction:
30 – 50%

Administration

Oral

Cost

Low

Effect

Reduces cholesterol level & helps stabilize atherosclerotic plaques

Side Effects

Muscle-related & gastrointestinal symptoms, liver enzyme elevation (reversible & rare)

Current Cholesterol Therapeutics: PCSK9i

MoA

mAbs - binds to PCSK9
siRNA - interfere with PCSK9 synthesis

LDL

Typical reduction:
50 – 70%

Administration

Injectable

Cost

High

Effect

Significantly reduces LDL cholesterol levels in high-risk patients

Side Effects

Injection site reactions, flu-like symptoms, hypersensitivity or allergic reactions (rare)

Current Market

PCSK9i injectables: ~ $2.7 Billion

NOVARTIS / Alnylam	LEQVIO® (inclisiran) injection 284 mg/1.5 mL	~$754M Sales in 2024
SANOFI / REGENERON	Praluent® (alirocumab) Injection 75mg/mL 150mg/mL	~$725M Sales in 2024
AMGEN	Repatha® (evolocumab) injection 140 mg/mL	~$1.22B Sales in 2024

2020 - Novartis acquired The Medicines Company for $9.7B, primarily for inclisiran (Leqvio), then under-development

2020 - AstraZeneca acquired Dogma Therapeutics' oral PCSK9 inhibitor, for an undisclosed amount

Statins (*incl. generics*): ~ $16 Billion

AstraZeneca	CRESTOR® rosuvastatin	~$1.15B Sales in 2024
Pfizer	LIPITOR® atorvastatin calcium tablets	~$2.0B Sales in 2024

Therapies Under Development

Targeting PCSK9

SUPPRESSED PCSK9

AstraZeneca

AZD0780
CLINICAL RESEARCH PHASE II

MERCK

MK-0616
CLINICAL RESEARCH PHASE III

Targeting LDL-R

PCSK9 UNAFFECTED

aqur biosciences

AQR-008
PRE-CLINICAL RESEARCH

Aqur’s Oral PCSK9i

Portfolio of over 50 peptides derived from PCSK9's catalytic domain

Patent granted in 2020

Royalty free

Leading candidate

Pre-IND stage

AQR-008: MoA

Targets

EGF-A domain on the
Low-Density Lipoprotein Receptors (LDL-R)

Prevents

PCSK9 binding to LDL-R, process that leads to LDL-R degradation in the hepatic cell

Allows

LDL-R recycling back to the hepatic cell membrane, and recurrent binding to LDL particles for clearance

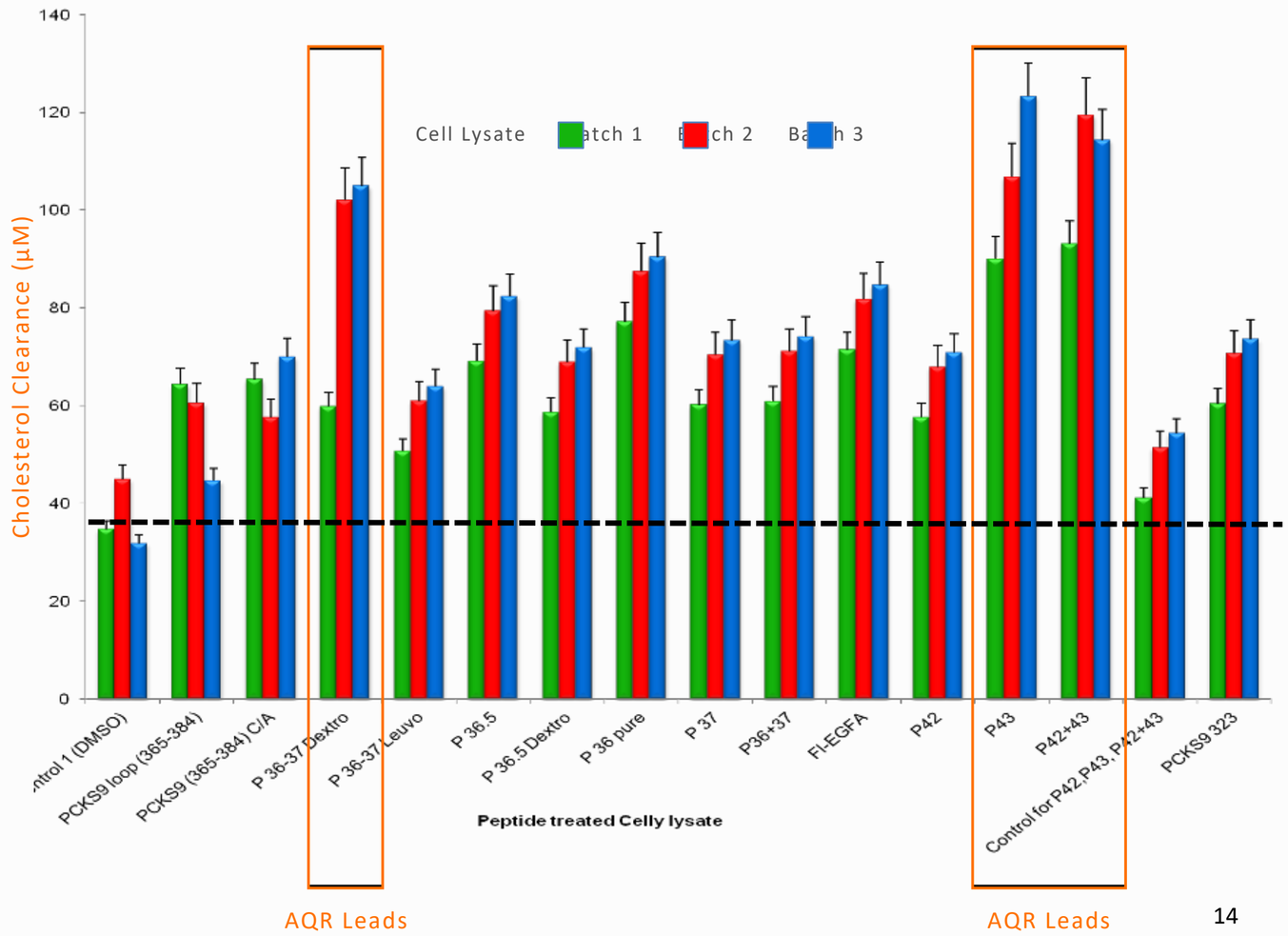
AQR-008: Advantages

- Oral delivery
- Minimizes side effects
- Affordable for patients
- Improved patient compliance
- Storage without refrigeration

Preliminary Cholesterol Clearance Results

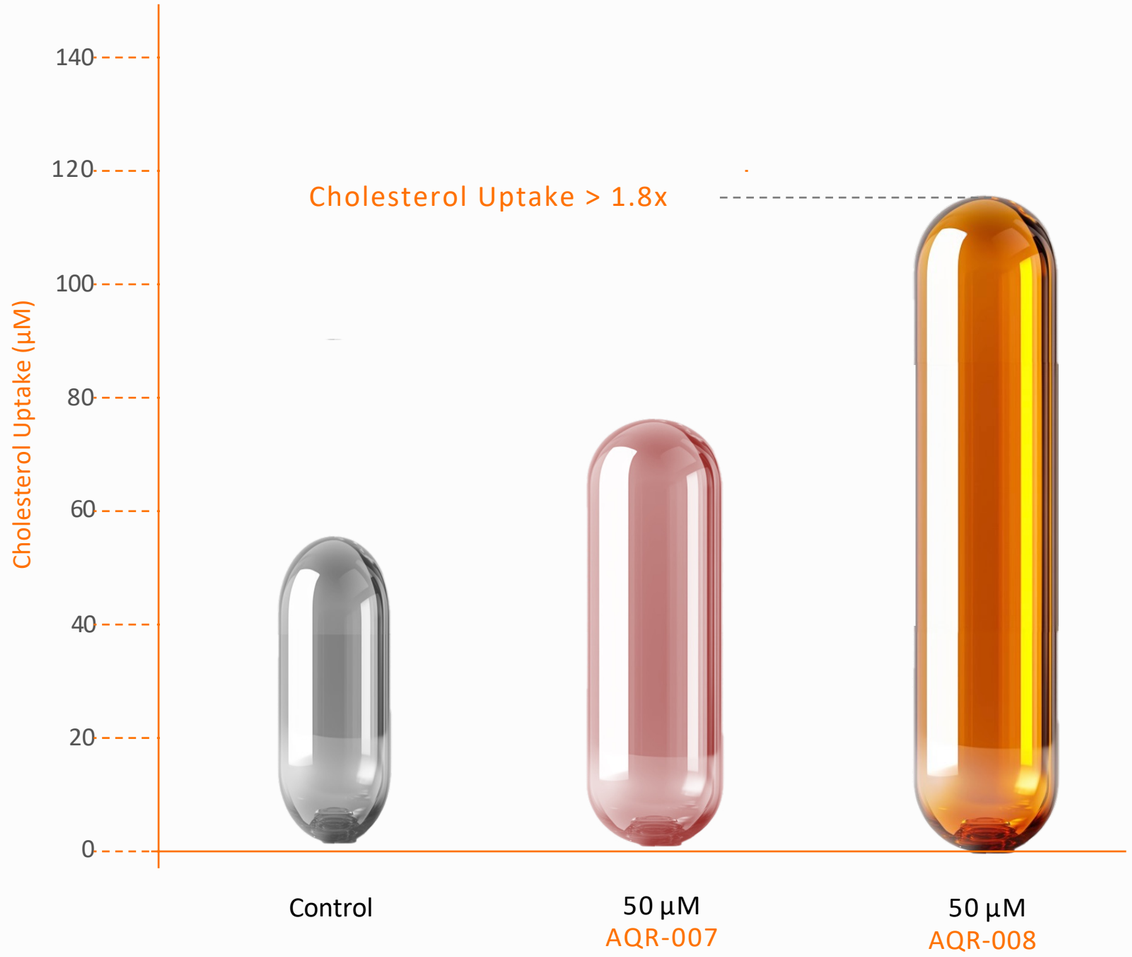
Aqur's peptides exhibited nearly

3x Cholesterol Clearance



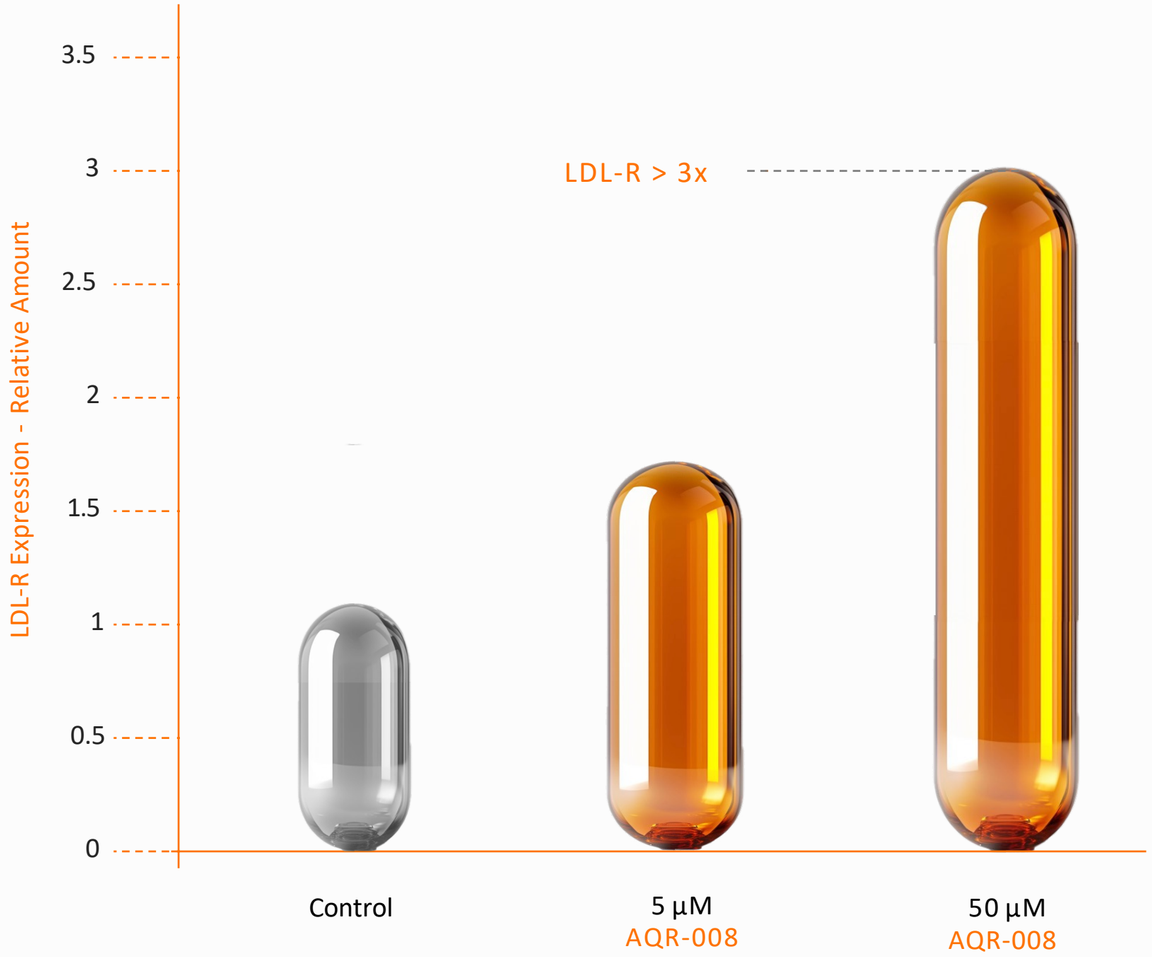
Preliminary Cholesterol Uptake Results

Aqur's leading peptides increase Cholesterol Uptake levels (>1.8x) in HepG2 cells



AQR-008: Pre-Clinical Efficacy

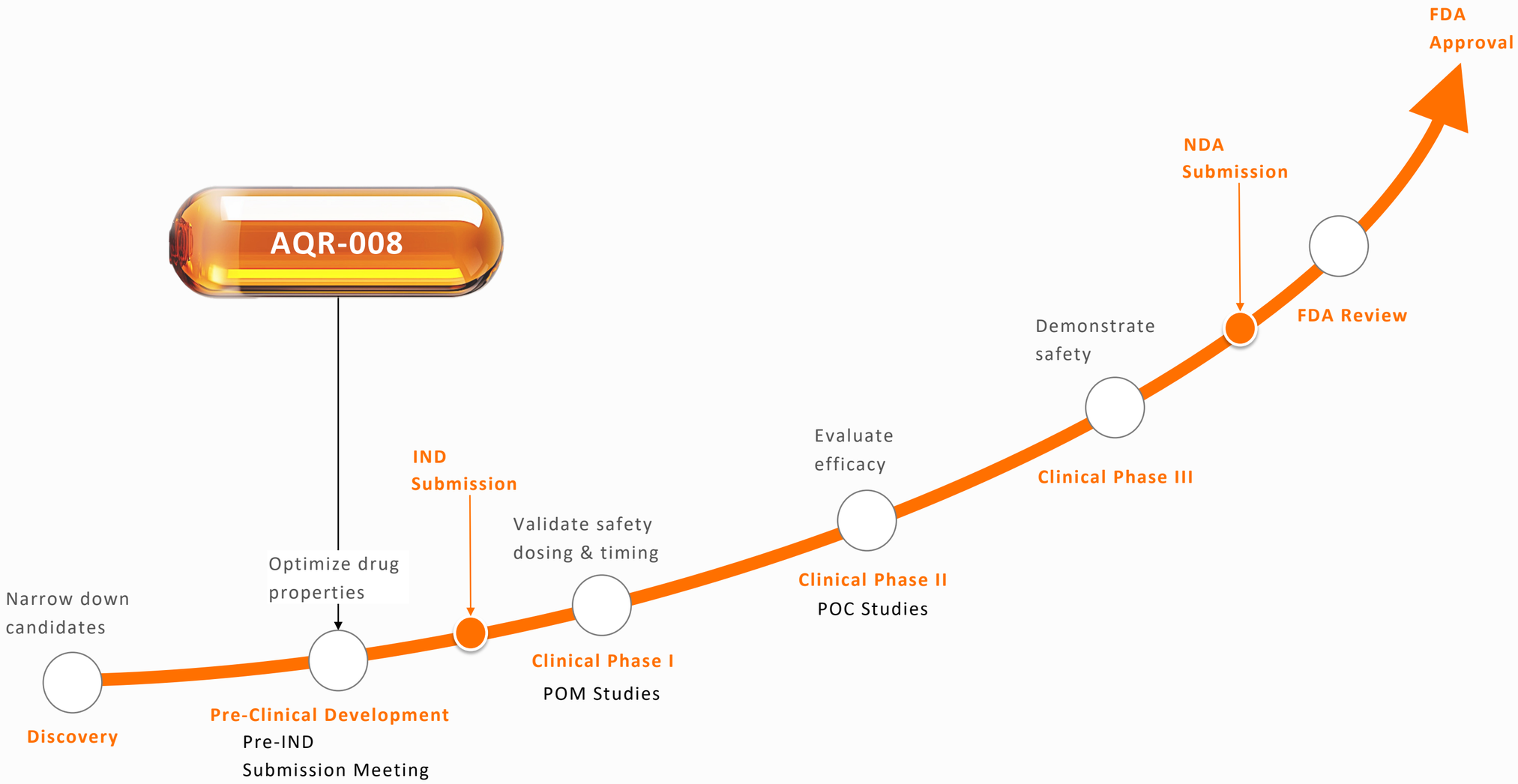
Significantly enhanced (>3x)
LDL-R Expression in human hepatic cells
at 50 µM concentration



AQR-008 Key Points

STAGE	In pre-clinical studies
MECHANISM OF ACTION	Targets the EFG-A domain on the LDL-R Blocks LDL-R from binding with PCSK9 Prevents LDL-R degradation & enables its recycling
DELIVERY METHOD	Oral
RESULTS & EFFECTS	Significant LDL cholesterol reduction
PCSK9	PCSK9 UNAFFECTED Does NOT bind to PCSK9 Does NOT suppress PCSK9 production Does NOT interfere with other PCSK9 functions
SIDE EFFECTS	Minimal side effects
COMPLIANCE	High compliance due to oral delivery, low cost & minimal side effects
COST	Designed for patient affordability

Path Forward



Strategic Partners

charles river

IQVIA™

McGill UNIVERSITY

PEPTICOM
Intelligent peptide design

MEDICAL COLLEGE OF WISCONSIN

Professionals

McGuireWoods

RJI INTERNATIONAL CPAs

businesswire A BERKSHIRE HATHAWAY COMPANY

NATCO Nevada Agency and Transfer Company

Management Team

Michael A. Fole, MD, MBA
Chief Executive Officer

25+ years of experience in wealth & family office management, banking, trading and investments

MD - University of Medicine & Pharmacy Carol Davila, Bucharest

MBA - University of La Verne, California

Jeffrey B. Wolin, JD
President

25+ years investment banking, corporate transactions, mergers & acquisitions, public filings and financings

BS - Biomedical and Chemical Engineering - Columbia University

Andy Jennings, PhD
Chief Scientific Officer

35+ years of pharma and biotech industry (GSK, Takeda, & Structure Therapeutics)

Published in Computational Chemistry, Medicinal Chemistry, Structural Biology, Assay Development, and Bioinformatics

BSc - Medicinal Chemistry (University of Hertfordshire) and PhD - Computational Chemistry & Bioinformatics - The Open University - UK

James Hess Leach
Chief Financial Officer

40+ years of experience in family office venture capital

Chairman & Senior Managing Director, National Trust, LLC

Chair Emeritus, Rhode Island PBS Foundation & Inductee, Rhode Island Heritage Hall of Fame

Michel F. Denarie, MBA
Chief Operating Officer

37+ years veteran of the pharmaceutical industry

21 years with IQVIA - Senior Principal, Strategic Drug Development - Global COE Lead, Patient Insights - Senior Principal, Commercial Effectiveness

BS - Kogod School of Business - American University

MBA - Darden School of Business - University of Virgina

Board of Directors

Jeffrey B. Wolin, JD

25+ years investment banking, corporate transactions, mergers & acquisitions, public filings and financings

BS - Biomedical and Chemical Engineering - Columbia University

James Hess Leach

40+ years of experience in family office venture capital

Chairman & Senior Managing Director, National Trust, LLC

Chair Emeritus, Rhode Island PBS Foundation & Inductee, Rhode Island Heritage Hall of Fame

Madison F. Richardson, MD

40+ years board-certified surgeon

Officer, Medical Board of California (1987-1993)

Former Asst. Professor of Surgery, USC & UCLA Medical Schools

Lt. Col., Walter Reed National Military Medical Center (1968-1979)

Valerie Ferguson

40+ years in management

Former Regional General Manager – Deluxe Resorts at Walt Disney World

Former Chairman of the American Hotel & Lodging Association (AHGLA)

Held senior roles at Loews Hotels Corporation & The Ritz-Carlton Hotel Company

Amanuel Sima, MD

24+ years board-certified physician

Board-certified physician specializing in internal medicine

Diplomate of the American Board of Internal Medicine, the American Board of Pulmonary Medicine, & the American Board of Critical Care Medicine

Scientific Advisory Board

Roland Wandeler, PhD

15+ years of commercial leadership and general management experience in the pharmaceutical & biotechnology industry

Former Amgen General Manager Germany in Spain & Portugal, and Corporate Vice President & General Manager of Amgen's US Bone Health & Cardiology Business Unit

MSc & PhD - Chemical Engineering - ETH Zurich

Wayne Paterson

Director & CEO, Anteris Technologies Ltd

Former Head of Pharmaceuticals (South Korea) & Head of Commercial Operations (China), Roche Pharmaceuticals

President, Merck KGaA Europe, Canada & Australia & Global Head of Cardiovascular Medicine, Merck KGaA (2010-2012)

Jay Horton, MD

Dr. Horton's characterization of PCSK9 & the protein's interactions with LDL-R provided the foundation for the development of PCSK9i

Professor of Internal Medicine and Molecular Genetics, Chief of the Division of Digestive & Liver Diseases

Holds the Robert C. & Veronica Atkin Chair in Obesity & Diabetes Research - University of Texas Southwestern Medical Center at Dallas

Tomi Sawyer, PhD

Inventor of MCR1 agonist NDP-MSH (Scenesse® by Clinuvel) recently approved by the FDA

Invented ALRN-6924 (Aileron) and Iclusig® (Ariad/Takeda)

Former titles: Distinguished Scientist (Merck), CSO (Aileron), SVP (Ariad) and Sr. Director (Pfizer)

Past President of the American Peptide Society

Nabil Seidah, MC, PhD, OQ, PRSC

Discovered and cloned seven (PC1, PC2, PC4, PC5, PC7, SKI-1 and PCSK9) of the nine known enzymes belonging to the convertase family

Author of over 720 peer-review articles & manuscripts

Recipient of Medical Research Council Scientist Award, McLaughlin Medal of the Royal Society of Canada, the Parizeau Prize of the Association Canadienne-Française, the Pfizer Distinguished Cardiovascular-Metabolic Research Jean-Davignon Award, the Queen Elizabeth II Diamond Jubilee Medal, the "Jacques Genest" Lecturer Award

Michael D. Shapiro, DO

Professor of Cardiology and Molecular Medicine at Wake Forest University

Published extensively in the areas of atherosclerosis imaging, lipid disorders, and preventive cardiology with research focuses on PCSK9 physiology and its impact on lipoprotein metabolism

DO - Rowan University School of Osteopathic Medicine

Scientific Advisory Board

Nicola Ferri, PhD

Professor in Pharmacology, Department of Medicine, University of Padua, Italy

Author of >190 peer-review articles & manuscripts, including “Emerging oral therapeutic strategies for inhibiting PCSK9” published in Atherosclerosis Plus

PhD in “Experimental Pharmacology” & PhD in "Toxicology of Environment and Nutrition” - University of Milan, Italy

Ajoy Basak, MSc, PhD, FIC

Inventor of AQR-008

25+ years of discovery and development of PCSK9, cholesterol regulation & CVD

Adjunct Professor, University of Ottawa, & Affiliate Investigator, Ottawa Hospital Research Institute

Published 150+ peer reviewed articles on PCSK9 enzymes

David M. Lubman, PhD

Professor Emeritus – University of Michigan Medical School

Director, The Lubman Lab (University of Michigan Medical School) investigating novel biotechnologies

MS - Columbia University

PhD - Stanford University

Bruce Auerbach, MS

20+ years of experience in pharmaceutical drug discovery & early clinical development

Former associate Research Fellow at Pfizer specializing in drug discovery & early clinical development, with a concentration in dyslipidemia and metabolic diseases

MS in Pathology and Comparative Medicine - Bowman Gray School of Medicine - Wake Forest University

Mary G. Sorci-Thomas, PhD

Professor of Medicine in the Division of Endocrinology, Metabolism & Clinical Nutrition- Medical School of Wisconsin

Funded for 33+ years by the National Institutes of Health & for 20 years participated as a Project Leader on an NIH funded Program Project that studied Atherosclerosis and Lipid Metabolism

PhD - Wake Forest University School of Medicine

Robert E. Burrier, PhD

Career technology executive with experience in pharmaceutical research

Participated & led programs resulting in drugs currently on the market including Zetia & Vytorin

RGD at Schering-Plough, Merck KGaA, Eli Lilly, GelTex, and Genzyme

PhD - Boston University, Postdoctoral Fellowship in Comparative Medicine - Wake Forest University

Scientific Advisory Board

Khaled Machaca, PhD

Senior Associate Dean for Research, Innovation and Commercialization, Weill Cornell Medicine-Qatar & Professor of Physiology and Biophysics, Weill Cornell Medicine

Machaca Lab investigates Ca^{2+} signaling, non-genomic progesterone signaling, and personalized treatments for monogenic disorders, with continuous support from NIH and QRDI

Serves on editorial boards, reviews for journals and funding bodies, and has a strong record of student and postdoc mentorship

George M. Tsoukas, MD, FRCPC

Associate Professor of Medicine, McGill University Health Centre

Seasoned expert in endocrinology and cardiovascular disease, and has authored numerous scientific papers

Fellow of the Royal College of Physicians of Canada and an active member of several professional societies, including the American Society for Bone and Mineral Research and the American Heart Association

At a Glance

Innovation

Unique Mechanism of Action

Strategy

Proven Development Pathway

Target

Large Addressable Market

Advantage

Oral, Affordable, Accessible

Thank You!

We look forward to the journey ahead,
where we can turn our vision into reality.

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