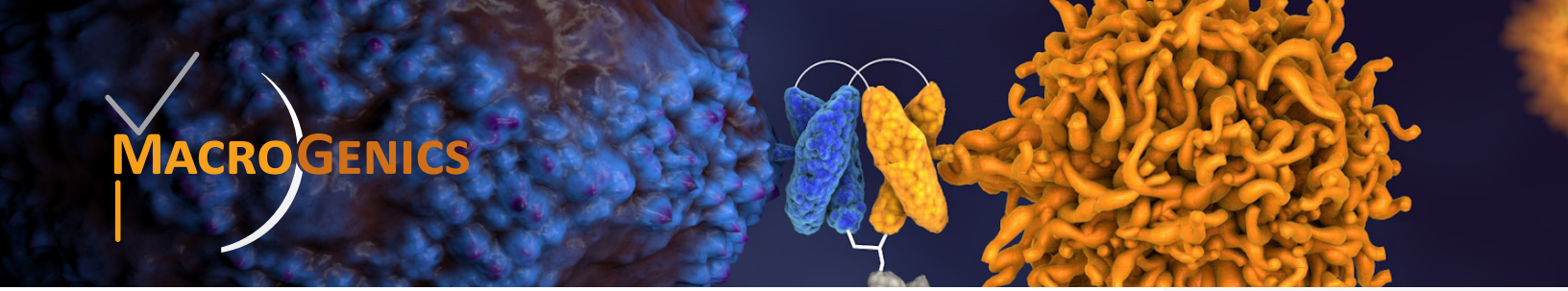


Corporate Fact Sheet

MacroGenics is a clinical-stage biopharmaceutical company focused on discovering and developing innovative monoclonal antibody-based therapeutics for the treatment of cancer, as well as autoimmune disorders and infectious diseases. The Company generates its pipeline of product candidates primarily from its proprietary suite of next-generation antibody technologies.

Company Highlights

- Emerging leader in developing immuno-oncology therapeutics
- Pipeline comprising ten differentiated clinical-stage product candidates
- Leading multispecific antibody technology platforms, with seven DART® molecules in clinic
- Fully-integrated mAb-based development capabilities, including GMP manufacturing
- Collaborations with Janssen, Takeda, Servier, Boehringer Ingelheim and Pfizer
- Experienced management team and highly collaborative corporate culture

Pipeline

Program (Target)	Indication	Pre-IND	Phase 1	Phase 2	Phase 3	Collaborator
ONCOLOGY						
margetuximab (HER2)	Breast (HER2+) "SOPHIA"					Green Cross (Korea only)
	Gastric (+anti-PD-1)					
enoblituzumab (B7-H3)	Solid Tum. (mono.)					—
	Solid Tum. (+anti-CTLA-4)					
	Solid Tum. (+anti-PD-1)					
flotetuzumab (CD123 x CD3)	AML/MDS					Servier (EU, Other)
MGD007 (gpA33 x CD3)	Colorectal					
MGD009 (B7-H3 x CD3)	Solid Tumors					—
MGD011 (CD19 x CD3)	B-cell Malignancies					Janssen (WW)*
MGA012 (PD-1)	Solid Tumors					—
MGD013 (PD-1 x LAG-3)	Solid Tumors/Heme Mal.					—
MGC018 (B7-H3)**	Solid Tumors					—
AUTOIMMUNE & INFECTIOUS DISEASES						
teplizumab (CD3)	Type 1 Diabetes Prev.					NIDDK/NIH
MGD010 (CD32B x CD79B)	Autoimmune Disorders					—
MGD014 (HIV x CD3)	HIV					NIAID/NIH

** MacroGenics retains co-promotion rights in U.S. and has option to fund late-stage dev't in exchange for U.S. and Canada profit share.*
*** ADC based on duocarmycin payload with cleavable peptide linker licensed from Synthon Biopharmaceuticals.*

DART mAb ADC

MacroGenics' Antibody Formats

DART and TRIDENT™ therapeutics enable the targeting of multiple antigens or cells with a single antibody-like molecule. Applications include the recruitment of a patient's T cells to destroy targeted cancer cells and the engagement of two checkpoint inhibitors for improved activation of the immune system. The flexibility of this platform allows for the design of molecules with increased half-life and valency compared to other multi-specific approaches.

Fc-Optimized antibodies mediate the killing of cancer cells through antibody-dependent cellular cytotoxicity, or ADCC, in which antibodies and immune cells cooperate to destroy targets such as tumor cells.

Quick Facts

Employees:
320 (as of 5/3/17)

Cash & Investments:
$272M (Pro Forma) at 3/31/17
(including $24M raised in early 2Q17)

Shares Outstanding:
36.1M (Pro Forma) at 3/31/17
(including 1.1M shares sold in early 2Q17)

Ticker:
MGNX (NASDAQ)

Locations:
Rockville, MD
South San Francisco, CA

Platforms:
DART (bispecific)
TRIDENT (trispecific)
Fc Optimization
Cancer Stem-like Cells

Key Collaborations

MacroGenics has developed significant alliances with leading pharmaceutical and biotechnology companies. Ongoing collaboration partners that have provided significant non-dilutive funding include:

janssen
May 2016 & Dec. 2014

Takeda
September 2014

SERVIER
September 2012

Boehringer Ingelheim
October 2010

Pfizer
October 2010

Management

Scott Koenig, M.D., Ph.D.
President and CEO

James Karrels
SVP, CFO

Ezio Bonvini, M.D.
SVP, Research and Chief Scientific Officer

Eric Risser
SVP, Chief Business Officer

Tom Spitznagel, Ph.D.
SVP, BioPharmaceutical Dev't and Manufacturing

Jon Wigginton, M.D.
SVP, Clinical Development & Chief Medical Officer

Syd Johnson, Ph.D.
VP, Antibody Engineering

Paul Moore, Ph.D.
VP, Immunology & Cell Biology

Jeffrey Peters
VP, Legal Affairs and Acting General Counsel

James Vasselli, M.D.
VP, Clinical Research

Board of Directors

Paulo Costa *(Chairman)*
Former President & CEO, Novartis Pharmaceuticals, US

Karen Ferrante, M.D.
Former CMO, Head of Rsch., Tokai Pharmaceuticals

Matthew Fust
Former CFO, Onyx Pharmaceuticals

Kenneth Galbraith
General Partner, Five Corners Capital

Edward Hurwitz
Managing Director, MPM Capital

Scott Jackson
Former CEO, Celator Pharmaceuticals

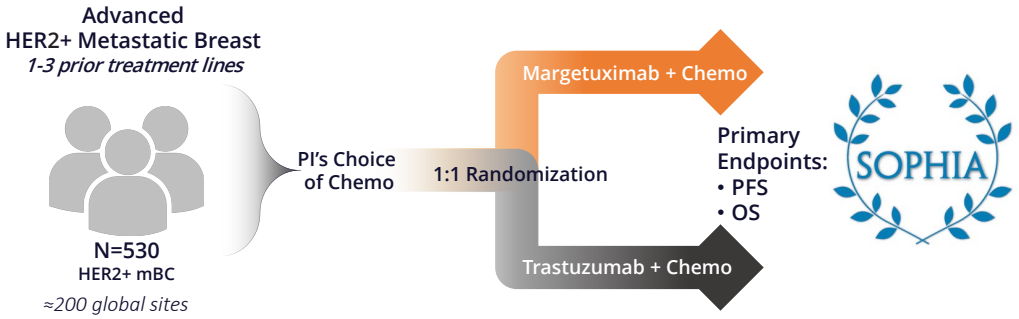
Scott Koenig, M.D., Ph.D.
President and CEO, MacroGenics

David Stump, M.D.
Former EVP of R&D, Human Genome Sciences

Monoclonal Antibodies in Clinical Development

Margetuximab (HER2) — ***Fc-optimized mAb*** — ***Phase 3***

Margetuximab is an Fc-optimized mAb that targets HER2-expressing tumors, including breast and gastroesophageal cancers. MacroGenics has engineered the Fc region of margetixumab to enhance its Fc-mediated effects, including improved ADCC. MacroGenics is conducting a Phase 3 registration trial (SOPHIA) in mBC patients to demonstrate clinical superiority to trastuzumab. The Company is also enrolling a Phase 1b/2 study for the treatment of advanced gastric cancer in combination with an anti-PD-1 agent.



Enoblituzumab (B7-H3) — ***Fc-optimized mAb*** — ***Phase 1b/2***

MacroGenics is developing a portfolio of first-in-class therapeutics that target B7-H3, a member of the B7 family of molecules involved in immune regulation and believed to inhibit T-cell activation. Enoblituzumab is an Fc-optimized monoclonal antibody that targets B7-H3 to take advantage of this antigen's broad expression across solid tumors. The Company is completing enrollment of monotherapy studies in patients with prostate, bladder and pediatric tumors. MacroGenics also continues to enroll patients in two combination studies with either anti-CTLA-4 or anti-PD-1 agents.

MGA012 (PD-1) — ***mAb*** — ***Phase 1***

MGA012 is a humanized, proprietary anti-PD-1 monoclonal antibody. Marketed antibodies targeting PD-1 have shown clinical efficacy in the treatment of various tumors. These antibodies act as checkpoint inhibitors, releasing the "brakes" on the immune system that are often imposed by tumors as a means to evade immune detection. MacroGenics is evaluating MGA012 as monotherapy and plans to evaluate the molecule in combination with the Company's other potential cancer therapeutics.

DART Molecules in Clinical Development

Program *(target)*	Dev't Stage	Indications	Partner	MacroGenics' Rights
Redirected T-Cell Killing:				
Flotetuzumab *(CD123 x CD3)*	Phase 1	AML, MDS	Servier	North America, Japan, Korea, India
MGD007 *(gpA33 x CD3)*	Phase 1	Colorectal cancer	Servier (option)	North America, Japan, Korea, India
MGD009 *(B7-H3 x CD3)*	Phase 1	Solid tumors	—	Worldwide
Duvortuxizumab *(CD19 x CD3)*	Phase 1	B-cell malignancies	Janssen	US co-promote, royalties and milestones
PF-06671008 *(P-cadherin x CD3)*	Phase 1	Solid tumors	Pfizer	Royalties and milestones
Checkpoint Co-blockade:				
MGD013 *(PD-1 x LAG-3)*	IND cleared	Solid tumors, heme	—	Worldwide
Signal Modulation:				
MGD010 *(CD32B x CD79B)*	Ph. 1 SAD completed	Autoimmune dis.	—	Worldwide

MacroGenics, Inc., 9704 Medical Center Drive, Rockville, MD 20850
Phone 301.251.5172 • info@macrogenics.com • www.macrogenics.com