



# Annual General Meeting

**Melbourne**  
**25 November 2014**

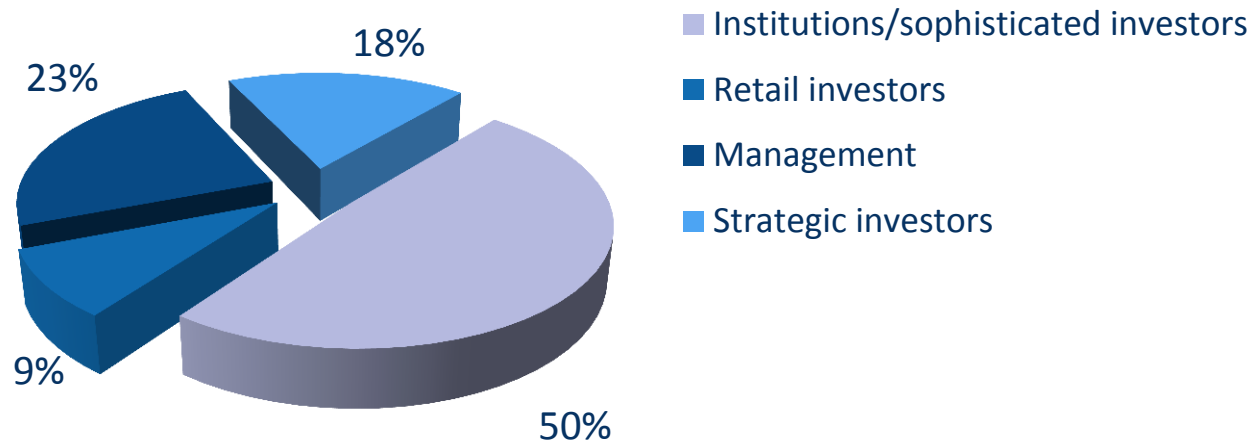
## CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS

*This presentation, including any comments made during or following the presentation, may contain forward-looking statements that are inherently subject to risks and uncertainties, some of which cannot be predicted or quantified. These statements may relate to, but are not limited to: expectations regarding the safety or efficacy of, or potential applications for, Mesoblast's adult stem cell technologies; expectations regarding the strength of Mesoblast's intellectual property, the timeline for Mesoblast's regulatory approval process, and the scalability and efficiency of manufacturing processes; expectations about Mesoblast's ability to grow its business and statements regarding its relationships with Teva Pharmaceutical Industries Ltd, JCR Pharmaceuticals Co., Ltd, and Lonza and future benefits of those relationships; statements concerning Mesoblast's share price or potential market capitalization; and statements concerning Mesoblast's capital requirements and ability to raise future capital, among others. Actual results may differ from the results anticipated in these forward-looking statements, and the differences may be material and adverse. Factors and risks that may cause Mesoblast's actual results, performance or achievements to be materially different from those which may be expressed or implied by such statements, include, without limitation: risks inherent in the development and commercialization of potential products; uncertainty of clinical trial results or regulatory approvals or clearances; government regulation; the need for future capital; dependence upon collaborators; and protection of our intellectual property rights, among others. Accordingly, you should not place undue reliance on these forward-looking statements.*

## Shareholder value and ownership

Market valuation	
Issued shares (30 September 2014)	~321 million
Current share price (market close, 24 November 2014)	A\$4.14
Market capitalization	~A\$1.32 billion
Cash reserves (30 September 2014)	A\$170.5 million

### Shareholder ownership (30 September 2014)



## Significant achievements to date

- Successful translation of Mesenchymal Lineage Adult Stem Cell (MLC) based technology platforms for multiple indications
- Portfolio of allogeneic regenerative medicine product candidates, with **five** in Phase 3 trials/Phase 3 ready
- Well characterized mechanisms of action support clinical translation
- Established strategic partnerships to support development, manufacturing and commercialization of product candidates
- Large IP portfolio of **>60 patent families** which we believe provides long-term commercial protection for MLC based products and other complementary technologies
- Capital market support and strong balance sheet

## 2014 FY highlights

- Commencement of Phase 3 trial of Mesenchymal Precursor Cell (MPC) product candidate MPC-150-IM in NYHA class II/III heart failure; actively recruiting across multiple North American sites
- NIH and MSB agree on 120 patient MPC-150-IM trial in advanced / NYHA class IV heart failure
- End of Phase 2 meeting with FDA supports advancing to MPC-06-ID Phase 3 trial in Chronic Discogenic Low Back Pain (CDLBP)
- Significantly expanded intellectual property portfolio of Mesenchymal Lineage Adult Stem Cell (MLC) technology through asset acquisition
- Pathway to accelerated US approval for GVHD has been clarified through discussions with the FDA
- Strategic relationship formed with Singapore Economic Development Board
- Positive Phase 2 CDLBP 12 month results presented at North American Spine Society Annual Meeting
- Positive type 2 diabetes trial results presented at 74<sup>th</sup> American Diabetes Association Annual Meeting ; results provide support for the ongoing diabetic kidney disease trial

## New framework for expedited Japanese approval of regenerative medical products

### Legislative framework\*

- The Pharmaceuticals, Medical Devices and Other Therapeutic Products Act (PMD Act) takes effect 25 November 2014 in Japan
- Establishes a framework for expedited approval in Japan for regenerative medical products

### Key takeaways for Mesoblast

- Conditional product approvals will be based on existing Phase 2 trial results demonstrating probable efficacy and safety with bridging studies in Japanese patients
- Conditional approvals will allow sales of each product candidate for up to 7 years
- Conditionally approved products will be covered by health insurance
- Conditional approvals will cover allogeneic cell therapy product candidates manufactured under GMP outside of Japan; and
- Full approval is expected to require further confirmation of safety and efficacy in a larger population.

**With late-stage clinical product candidates in multiple indications, Mesoblast is well positioned to take advantage of this new legislative framework in Japan**

## Objectives and Strategy for Japan

### Objectives

- To capitalize on clinical data generated to date, our strong intellectual property portfolio, and manufacturing know how for accelerated product regulatory approvals in Japan
- To generate nearer term revenues in the world's second most established healthcare market

### Strategy

In order to achieve its corporate objectives in Japan, Mesoblast:

- Has completed prioritization of lead product candidates based on assessment of commercial opportunity and feasibility in Japan
- Will leverage existing Phase 2 clinical trial results for Tier 1 and Tier 2 product candidates
- Has engaged with product development and commercialization experts in Japan
- Has initiated dialog with the Japanese regulatory authority, the PMDA
- Is in active discussions with existing and potential commercialization partners for its product candidates in Japan



**The PMD Act will enable Mesoblast to make its cell therapy product candidates available sooner to patients with unmet medical needs, and to achieve nearer term revenues in Japan ahead of other jurisdictions**

## Our competitive strengths

1

Disruptive technology platform

2

Broad portfolio of distinct late-stage product candidates

3

Scalable manufacturing capabilities

4

Intellectual property leadership

5

Strategic alliances

6

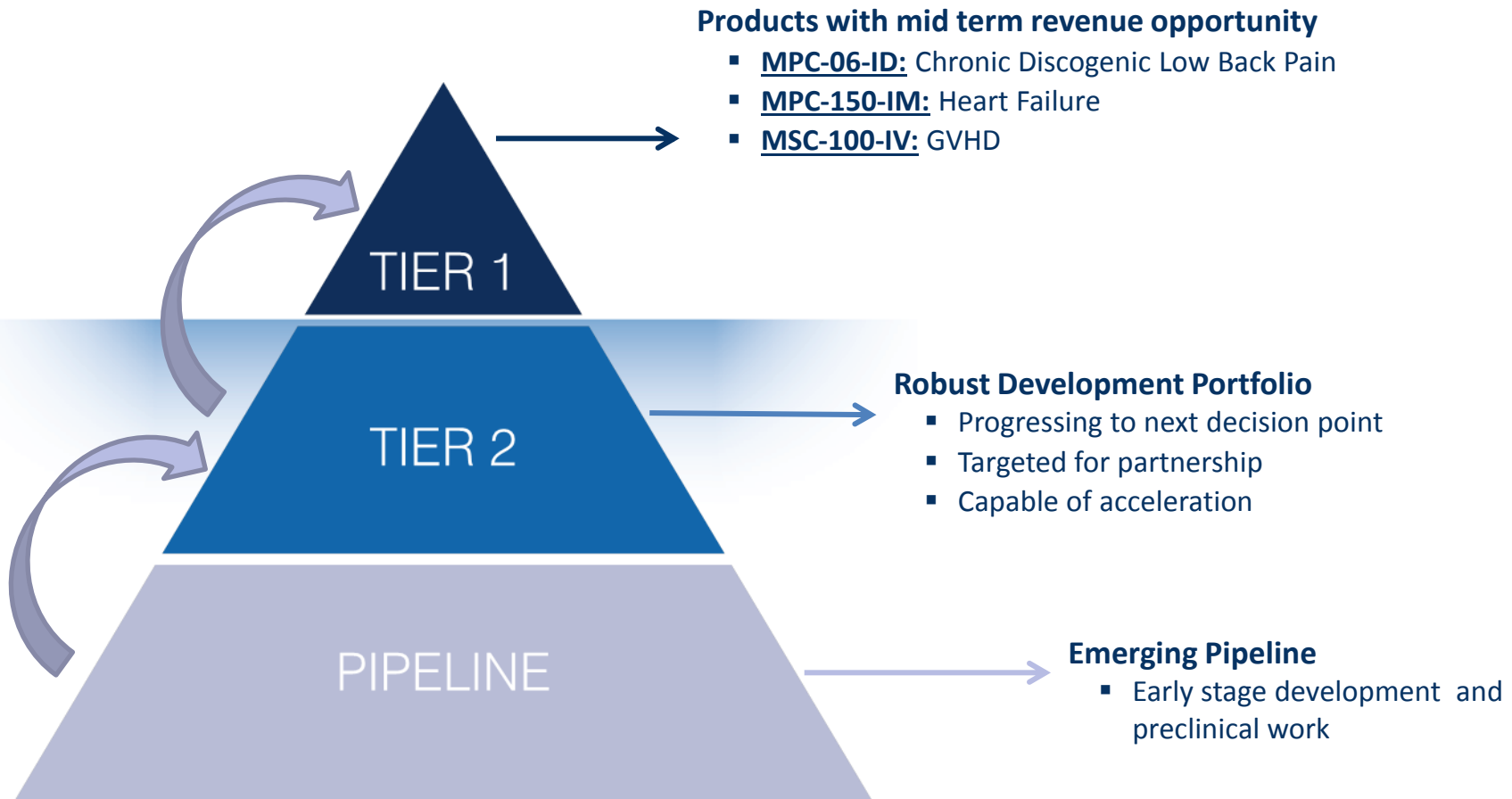
Experienced management team



## 1. Disruptive technology platform

- Mesenchymal Lineage Adult Stem Cell (MLCs) technology platform
  - Highly purified, immunoselected Stro-1/Stro-3 positive Mesenchymal Precursor Cells (MPCs), earliest precursors
  - Culture-expanded Mesenchymal Stem Cells (MSCs), progeny of earliest precursors
  - Diverse source (bone marrow, adipose, dental pulp)
  - Product lifecycle extension developing next generation ‘modified’ stem cell therapies
- MLCs are present around blood vessels in all tissues, where they can respond to signals associated with tissue damage. This response includes the secretion of a diverse variety of biomolecules that affect various reparative and immunomodulatory mechanisms responsible for maintaining tissue health.
- MLCs have two additional, distinct characteristics that, when combined with our proprietary manufacturing processes, enable allogeneic or “off-the-shelf” use of our product candidates.
  - large-scale culture expansion potential
  - immunomodulation

# Focus on bringing late stage products to market



## 2. Broad portfolio of distinct late-stage clinical product candidates

Product Candidates	Programs	Preclinical	Phase 2	Phase 3	Filed for approval
<b>Tier I</b>					
MPC-06-ID	<ul style="list-style-type: none"> <li>Chronic Discogenic Low Back Pain (CDLBP)</li> </ul>				
MPC-150-IM	<ul style="list-style-type: none"> <li>Class II/III Congestive Heart Failure (CHF)</li> </ul>				
	<ul style="list-style-type: none"> <li>Class IV CHF</li> </ul>				
MSC-100-IV	<ul style="list-style-type: none"> <li>Acute steroid-refractory GVHD</li> </ul>				
JR-031	<ul style="list-style-type: none"> <li>Acute GVHD (Japan)</li> </ul>				
<b>Tier II</b>					
MPC-300-IV	<ul style="list-style-type: none"> <li>Diabetic kidney disease</li> </ul>				
	<ul style="list-style-type: none"> <li>Rheumatoid arthritis (biologic refractory)</li> </ul>				
MPC-25-IC	<ul style="list-style-type: none"> <li>Acute cardiac ischemia</li> </ul>				
MPC-25-Osteo	<ul style="list-style-type: none"> <li>Spinal fusion</li> </ul>				
MSC-100-IV	<ul style="list-style-type: none"> <li>Crohn's disease (biologic refractory)*</li> </ul>				
MPC-CBE	<ul style="list-style-type: none"> <li>Bone marrow transplant</li> </ul>				

\*An additional Phase 3 program will be necessary prior to BLA filling

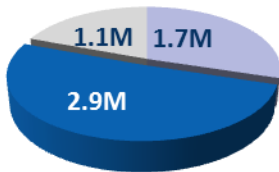
# MPC-06-ID: Chronic Discogenic Low Back Pain (CDLBP) – Market opportunity

*MPC-06-ID is in development for the treatment of chronic discogenic low back pain (CDLBP) lasting >6 months as a result of moderate degenerative intervertebral disc disease*

## Market opportunity

- Prevalent CLBP population in the US to grow to 21.9m patients by 2022 <sup>1</sup>
- 55% of CLBP population seek treatment <sup>1</sup>
- ~ 40% of patients with CLBP have a discogenic cause

CLBP patient segments



- Mild degeneration
- Moderate degeneration
- Severe degeneration

## Gap in treatment options

- For patients who fail conservative treatment (rest, analgesia), and epidural steroids, treatment options are limited to highly invasive therapies such as spinal fusion or artificial disc replacement
- Surgeons report that ~40% of patients ultimately fail back surgery <sup>2</sup>

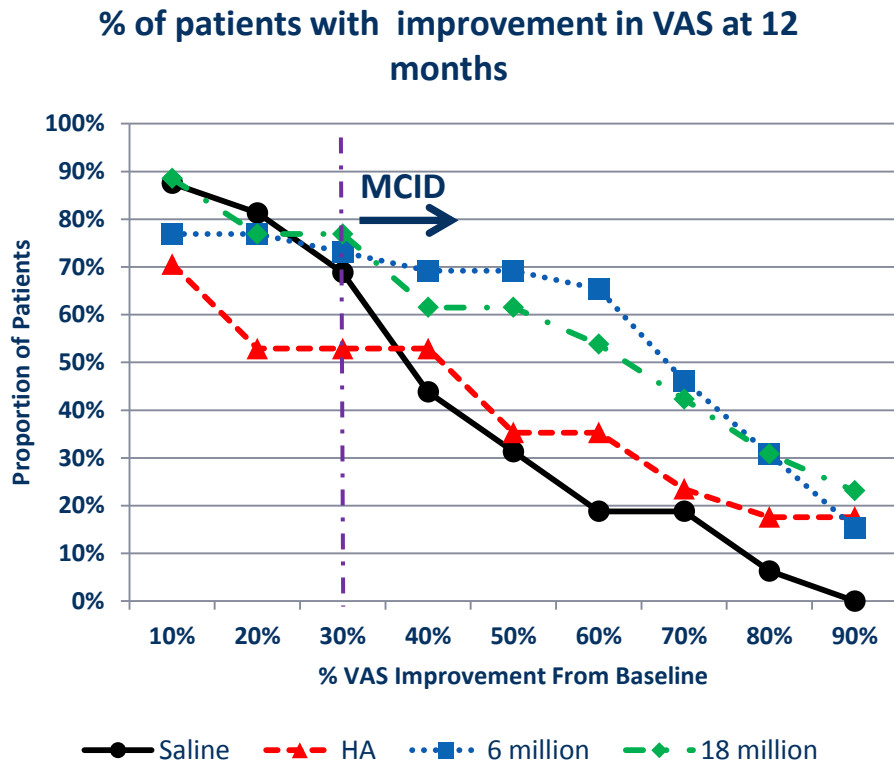
## Targeted physician population

- Specialists: Targeted physician audience & commercial footprint
  - Pain management specialists and anaesthesiologists
  - Orthopedic / spine surgeons

**FDA approval for surgical therapies requires concomitant improvement in both pain and function**

## MPC-06-ID: CDLBP 12-month Phase 2 Results - MPCs show greater reduction in pain

**Phase 2 trial:** 100 patients with >6 months of discogenic low back pain failing other therapies were evaluated in a randomized, placebo controlled trial that compared saline, HA, HA + 6 million MPC, HA + 18 million MPCs injected into culprit painful disc

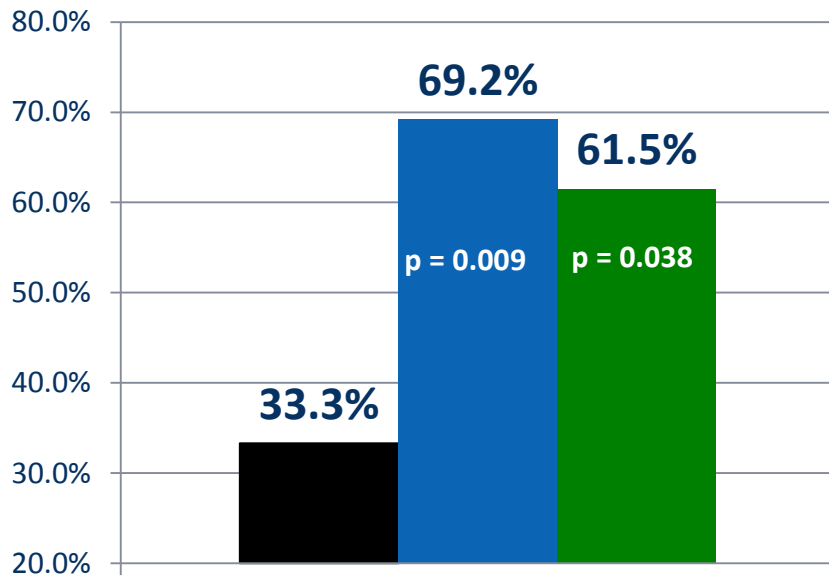


- Visual Analog Scale (VAS) is a standardized measure of pain scored from 0 -100 and was evaluated at 3 , 6 and 12 months
- Minimally clinical important difference (MCID) in VAS is defined as  $\geq 30\%$  improvement
- At 12 months, both 6 million MPC group and the 18 million MPC group had greater proportions of patients with VAS improvement  $\geq 30\%$  than either control group

## MPC-06-ID: CDLBP 12-month Phase 2 results - MPCs show greater reduction in pain

MPC groups have a greater proportion of patients with at least a 50% improvement in back pain or minimal/no residual back pain (VAS <20) at 12 months relative to controls

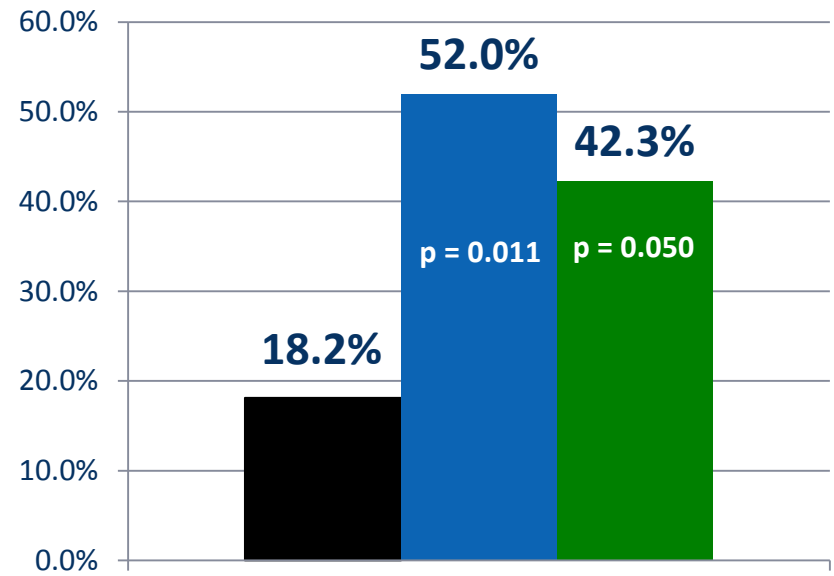
Proportion of patients with 50% back pain reduction @ 12 months



50% back pain reduction @12 months

■ Pooled Controls      ■ 6 million MPCs  
■ 18 million MPCs

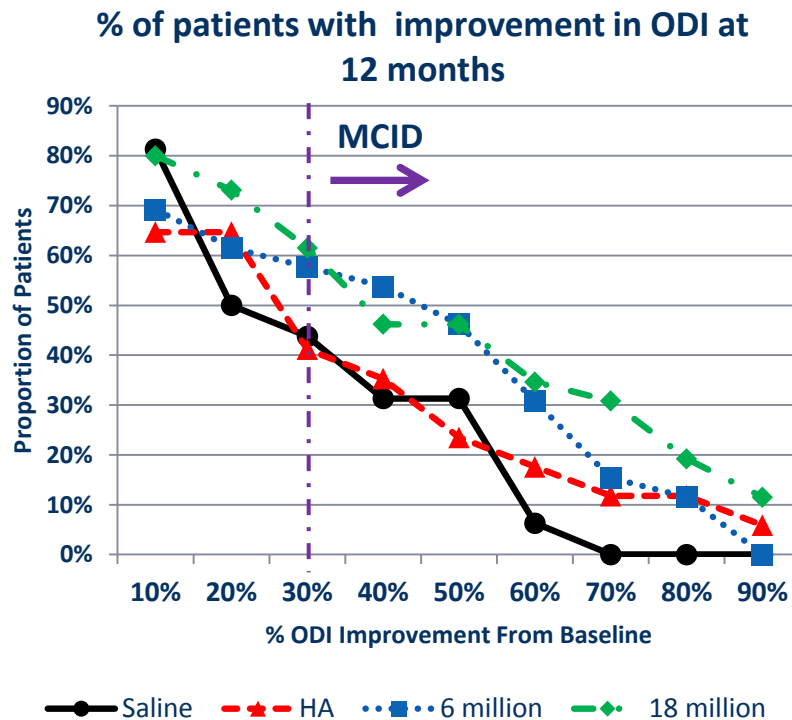
Proportion of patients with minimal to no back pain @ 12 months



Minimal Back Pain ( $\leq 20/100$ ) @ 12 Months

■ Pooled Controls      ■ 6 million MPCs  
■ 18 million MPCs

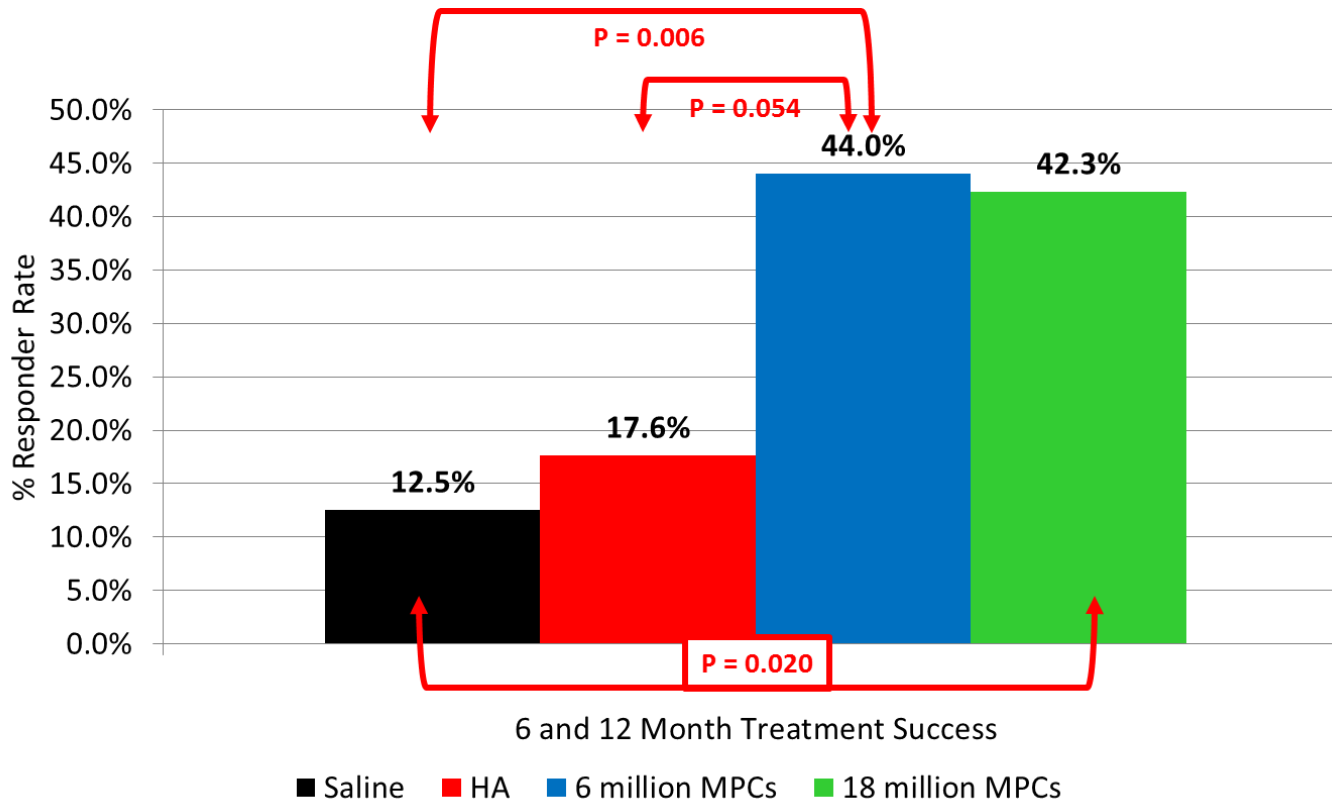
# MPC-06-ID: CDLBP 12 month Phase 2 results - MPCs show improvement in function



- Oswestry Disability Index (ODI) is a standardized measure of function and was evaluated at 3, 6 and 12 months
- Minimally clinical important difference (MCID) in ODI is defined as  $\geq 30\%$  or 10 point improvement
- At 12 months, both 6 million MPC group and the 18 million MPC group had greater proportions of patients with ODI improvement  $\geq 30\%$  than either control group

# MPC-06-ID: CDLBP – Composite endpoint for Phase 3

Treatment options for CDLBP must address both decreased pain and improved function, defined as MCID in both VAS and ODI<sup>1</sup>. A responder to treatment is defined as meeting both VAS and ODI MCID.



% Responders positive at both 6 and 12 months for Composite of 50% VAS back pain reduction + 15 point ODI improvement + no intervention at the treated level



## MPC-06-ID: CDLBP - Phase 3 clinical program

- Positive End of Phase 2 meeting with FDA supports progression into Phase 3
- Phase 3 study design will measure composite endpoint of decreased pain and improved function over 12 months
- Expected Phase 3 trial initiation end of 2014
- Expected Phase 3 milestones
  - Phase 3 enrollment complete in mid-2016
  - Phase 3 interim analysis mid-2016
  - Phase 3 top line data in mid-2017

**MPC-06-ID is positioned to fill the significant treatment gap in patients with moderate to severe CDLBP after conservative treatment options have failed**

# MPC-150-IM: Congestive Heart Failure (CHF) – Market opportunity

*MPC-150-IM is in development for New York Heart Association (NYHA) class II to IV congestive heart failure*

## Market opportunity

- 5.1 million people in the US are diagnosed with CHF (2% of the population) <sup>1</sup>
- 825,000 new cases diagnosed each year – growing at 2% per annum <sup>1</sup>
- CHF patients with NYHA Class II/III with low ejection fraction (<35-40%): ~ 40% of all heart failure patients <sup>2</sup>
- CV Hospitalization or all cause mortality among CHF Class III/IV 50% at 16.6 months median follow up duration <sup>3</sup>

## Gap in treatment options

- Despite standard of care using pharmacological treatments, Class II/III patients continue to be at high risk of repeated hospitalizations and mortality
- Advanced/NYHA Class III/IV patients only have heart transplant and mechanical support as treatment options

## Targeted physician population

- Specialists: Targeted physician audience & commercial footprint
  - Heart failure specialists
  - Interventional cardiologists
  - Cardiac surgeons

**MPC-150-IM is positioned to fill the significant treatment gap in patients with advanced NYHA Class II-IV heart failure**

1. AHA statistical Update – Heart disease and stroke statistics-2014 update Circulation 2014

2. The National Heart, Lung and Blood Institute; The Organ Procurement and Transplantation Network; The United Network for Organ Sharing; The American Heart Association

3. Metra M et al Eur Heart J 2009 30:3015-3026

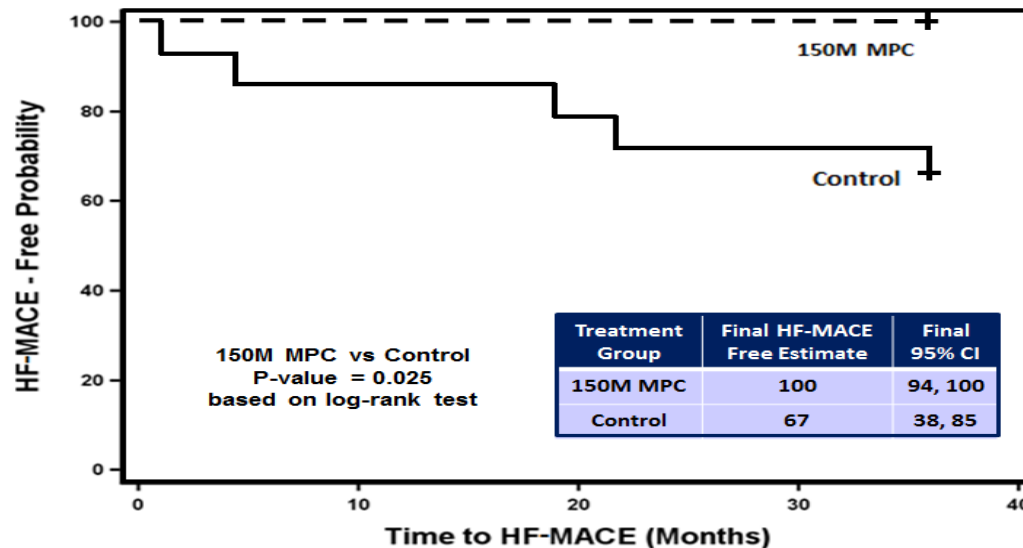
# MPC-150-IM Congestive Heart Failure (CHF)- Optimal dose identified in Phase 2

## Phase 2 top line results

Overall, results obtained in patients with CHF show positive effects on clinical outcomes, including left ventricular remodeling and functional exercise capacity. The 150 million cell dose showed greatest benefit for reducing HF-MACE long-term.

Specifically:

- Endomyocardial injections of 25, 75 or 150 million MPCs in patients with CHF were feasible and safe.
- At 6 and 12 months, there was a dose-dependent improvement in LVESV and LVEDV, in MPC-treated patients compared with controls;
- The 150 million cell dose showed the greatest effect compared to controls for LV remodeling (LVESV and LVEDV both  $p < 0.02$ )
- Over 36 months of follow up, the 150 million cell dose was associated with a significantly greater probability of remaining free of HF-MACE events compared to the control group (0% versus 33% HF-MACE by Kaplan-Meier,  $p = 0.025$  by log-rank).



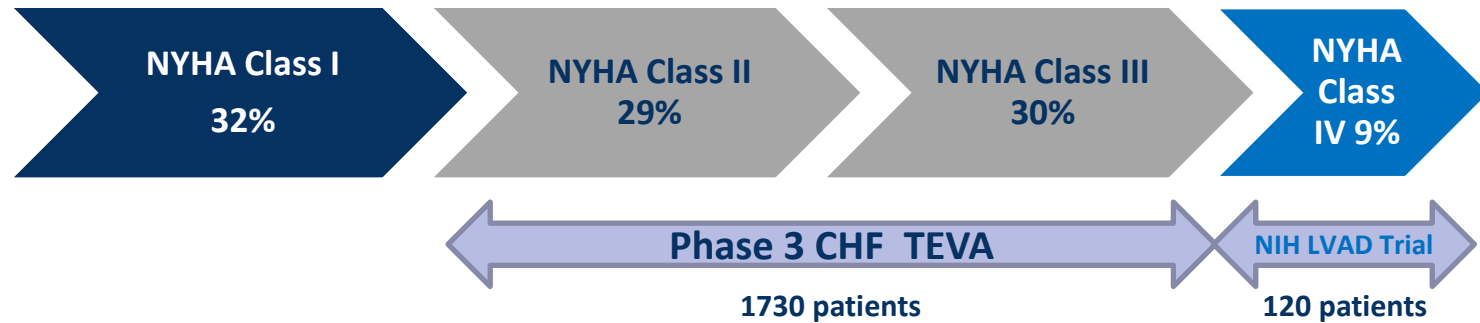
Kaplan-Meier Analysis for  
Time-to-First HF-MACE  
150M vs Control Treatments  
(36 Months Follow-up)

## MPC-150-IM: Congestive Heart Failure (CHF) – Phase 3 trial in NYHA II/III HF

- Phase 3 trial is being conducted by our partner Teva and is actively enrolling
- Phase 3 double-blinded, 1:1 randomized, sham-procedure-controlled study evaluating a single dose of 150 million MPCs, delivered via endomyocardial injection catheter to the left ventricle, in NYHA class II/III heart failure patients
- Enrollment criteria will enrich for more advanced heart failure patients (EF $\leq$ 40%, high BNP levels, heart failure hospitalization <9 months)
- The trial plans to enroll approximately 1,730 patients and will include two interim analyses of efficacy and/or safety
- Database lock in preparation for the first interim analysis is expected Q4 2015
- A second interim analysis is planned for potential resizing, or for early termination

## MPC-150-IM: Congestive Heart Failure (CHF) – Trials underway

### New York Heart Association (NYHA) classification of heart failure



- NYHA Class II/III Phase 3 Program up and running with targeted completion in 2018. Options for acceleration being discussed with Teva and regulatory authorities
- The National Institutes of Health (NIH) is conducting a 120-patient study in advanced/NYHA Class IV patients

# MSC-100-IV: Graft vs Host Disease – Market opportunity

*MSC-100-IV is in development for pediatric and adult patients with acute Graft Versus Host Disease (GVHD) following allogeneic hematopoietic stem cell transplant (HSCT) who have failed to respond to steroid treatment*

## Market opportunity

- ~30,000 allogeneic HSCTs performed globally each year, 25% pediatric <sup>1,2</sup>
- ~ 50% of all patients develop GVHD (Grades II-IV) <sup>3</sup>
- ~50% acute GVHD steroid-refractory <sup>4</sup>
- Total one year cost of multi risk factor transplant complications USD\$845,000 - \$1,000,000<sup>5</sup>

## No approved treatment options

- Mortality can reach 85% in patients with liver & gut complications
- No currently approved therapies for steroid refractory patients
- Off-label options have mixed efficacy with high toxicity
- Significant need for a new treatment with a favorable risk/benefit profile

## Targeted physician population

- Highly targeted physician audience & commercial footprint for lead launch in pediatrics
- ~ 68 centers in the US conduct pediatric allogeneic HSCTs
- ~ 50% of all pediatric transplants concentrated in 12 centers & key metropolitan areas



1. Gratwohl T et al, Quantitative and qualitative differences in use and trends of hematopoietic stem cell transplantation : a Global Observation study. Haematologica 213;98(8)

2. CIBMTR, Decision resources GVHD Epi Nov 2012.

3. Decision resources Niche Markets and Rare diseases: GVHD Nov 2012

4. Cahn et al prospective evaluation of 2 aGVHD grading systems Blood Aug 2005

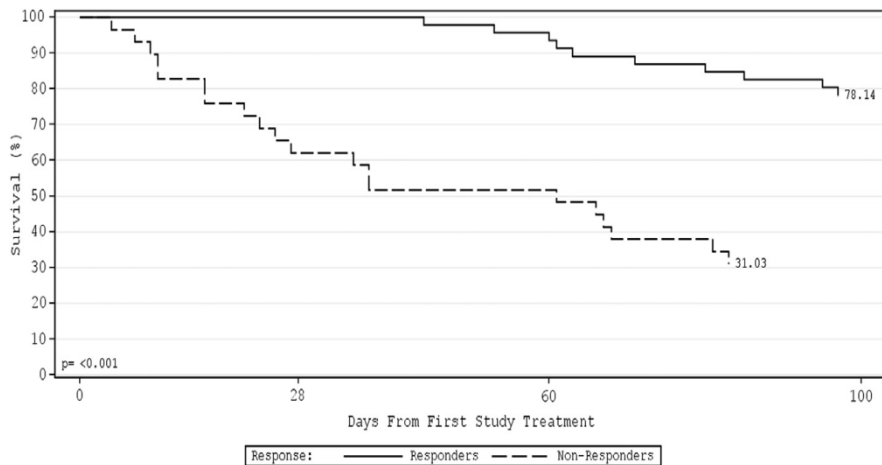
5. Svahn BM et al, Increased costs after allogeneic haematopoietic SCT are associated with major complications and re-transplantation BMT 2012; 47:706-715

# MSC-100-IV: Graft vs Host Disease – Evidence of efficacy

## Pediatric Patients <sup>1</sup>

- Expanded Access Program in US has treated in excess of 200 patients
- In first 75 patients, response at day 28 to MSC-100-IV therapy was a significant predictor of improved day 100 survival ( $p < 0.001$ )
- Day 100 survival was 76% in MSC-100-IV responders, compared to 28% in non-responders ( $p$  value  $< 0.001$ , log rank test)

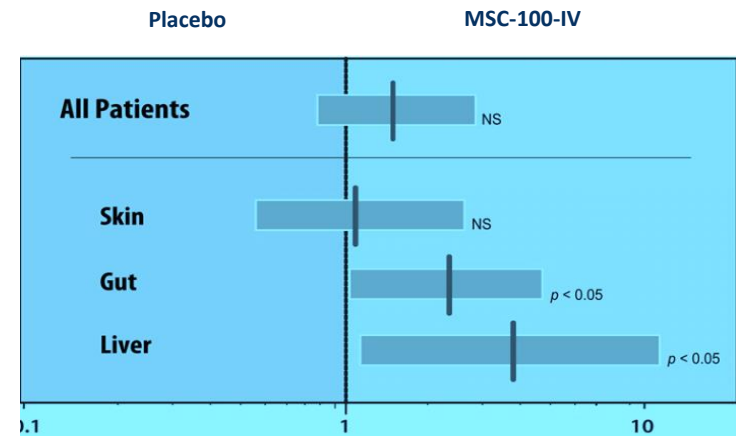
## Pediatric Day 100 survival <sup>1</sup>



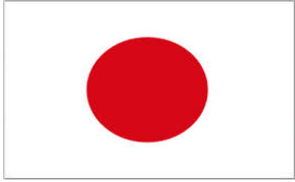
## Adult Patients <sup>2</sup>

- In a randomized, placebo-controlled Phase 3 trial, MSC-100-IV significantly improved overall responses in the adult subset with gut or liver GVHD, and resulted in improved survival in this important subset.

## Adult response day 100 by organ (Odds Ratio) <sup>2</sup>



## MSC-100-IV/JR-031 : Graft vs Host Disease – Product launch plans



- JCR Pharmaceuticals Co Ltd., our GVHD partner in Japan, filed for regulatory approval for JR-031 in Japan in September 2014 and was granted orphan drug priority review



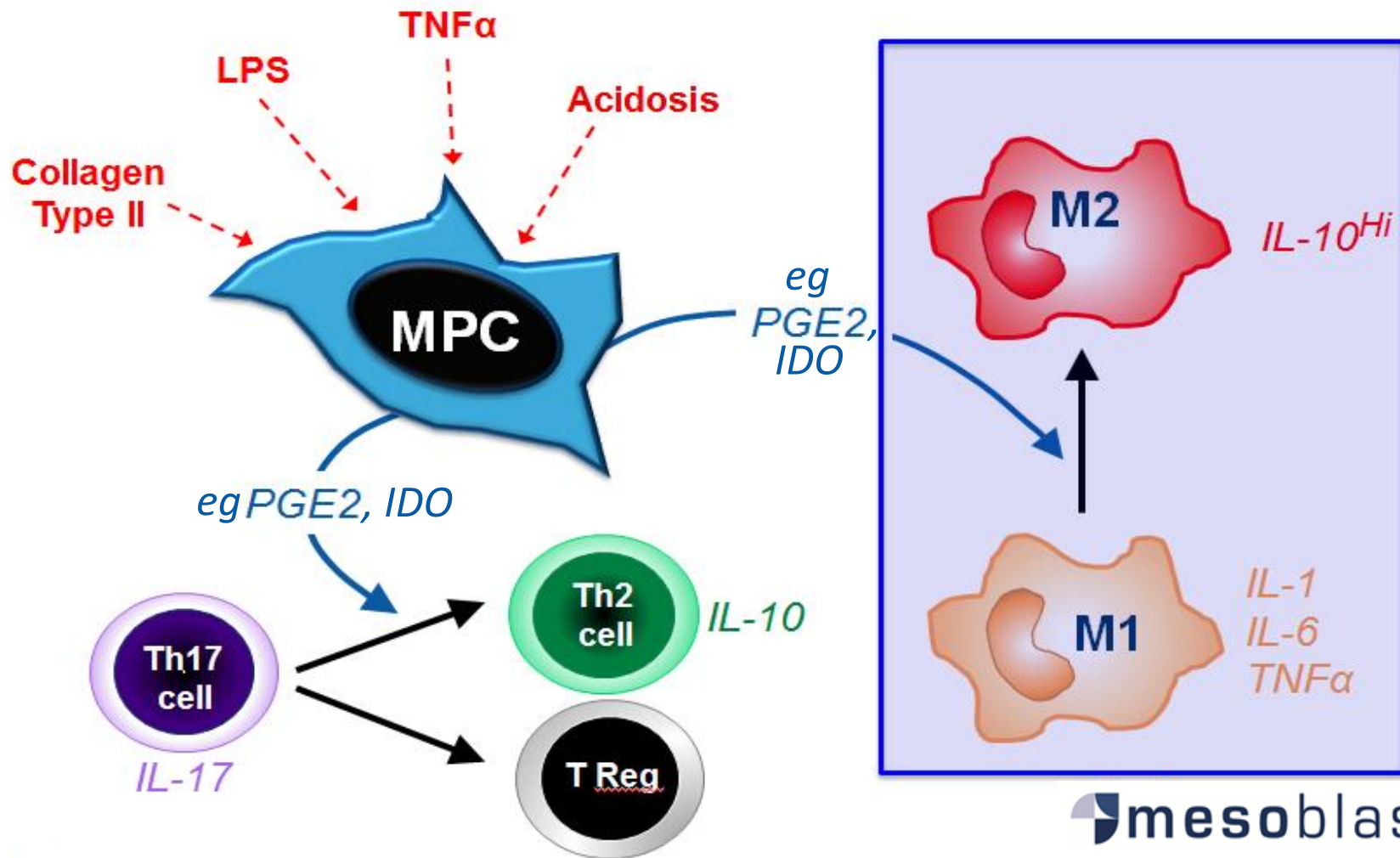
- North America
  - Canada
    - Manufacturing -Commercial readiness
    - Canadian launch for pediatrics -2016
  - United States
    - Positive FDA meeting July 2014 - pathway for accelerated approval clarified
      - 60 patient open-label phase 3 pediatric trial
      - Confirmatory phase 3 adult trial design in liver/gut subset
    - Manufacturing -Commercial readiness
    - BLA filing for pediatric registration 2016

MSC-100-IV has potential to be first allogeneic stem cell product approved in United States – “halo” effect for Mesoblast’s commercial go to market capability



# MPC-300-IV for treatment of Chronic Inflammatory Diseases

*Inflammation-dependent induction in MPC and role in regulating the function of both Th17 cells and macrophages*



## MPC-300-IV for treatment of Chronic Inflammatory Diseases

Phase 2 clinical program in 138 patients across three chronic inflammatory conditions to evaluate safety, efficacy and durability of effect following IV administration of a single MPC-300-IV dose

- 60 patients, type 2 diabetes with inadequately controlled glucose:  
randomized, placebo controlled dose-ranging study completed
- Positive dose-dependent effects seen on reduction in HbA1c at 3 months, with highest dose (2 million MPC/kg) having greatest benefit ( $p < 0.05$ )
- 30 patients, type 2 diabetes and chronic kidney disease:  
randomized, placebo controlled dose-ranging study fully enrolled  
6 month topline data expected Q1 2015
- 48 patients biologic-refractory rheumatoid arthritis:  
randomized, placebo controlled dose-ranging study fully enrolled,  
6 month topline data expected H2 2015

# MPC-300-10-IV for Diabetic Kidney Disease – Market opportunity

## Market opportunity

- 40-50% of all diabetes patients (19 million in 2013 in US) develop renal complications. Diabetes accounts for 43% of all kidney failure (ESRD) in the US, making it the primary cause of the condition
- Stage 3b-4 (GFR 20-45 ml/min/1.73 m<sup>2</sup>) estimated ~200,000 incident cases annually. Total prevalent cases 1.8M<sup>1</sup>
- The estimated annual cost of diabetic nephropathy in the US is \$24 billion<sup>2</sup>

## Gap in treatment options

- Standard of care (SOC) Renin Angiotensin System (RAS) inhibition modestly slows the progression of diabetic nephropathy (16-25%)
- RAS inhibition reduces the progression to renal replacement or death by 25%, leaving a large residual risk of 75%. Current SOC only slows the rate of deterioration in renal function
- The only treatment option for ESRD is renal replacement (dialysis or transplant); 40% of patients are dead within 2 years of initiating dialysis<sup>3</sup>
- Cost of renal replacement therapy is \$100,000/year (dialysis) - \$250,000 (transplant)<sup>2</sup>

## Targeted physician population

- Patients with Stages 3B-4 are generally managed by the nephrologists. There are ~ 7000 in in the US in practice<sup>3</sup>
- Endocrinologists/ diabetologists also critical. There are ~ 4500 in the US in practice<sup>4</sup>

**There is a significant and urgent need for true disease modifying therapies, with the goal of halting or reversing renal damage in patients with chronic kidney disease**

1. Levey A and Coresh J.

2. U.S. Renal Data System Annual Data Report 2012

3. Robinson B. et al. *Kidney Int.* 2014 January ; 85(1): . doi:10.1038/ki.2013.252 [In press]

4. 2012 AAMC Physician Specialty Data Book

# MPC-300-IV: Biologic Refractory Rheumatoid Arthritis– Market opportunity

## Market Opportunity

- 1.3M Americans afflicted with RA<sup>1</sup>
- Incidence increases with age  
8.7/100,000 for ages 18-34 vs  
89/100,000 for ages 65-74<sup>1</sup>
- Responsible for 250,000  
hospitalizations and 9M physician  
visits/year in the USA
- Diagnosis of RA is associated with a  
2.5x greater risk of CV death
- Targeting moderate to severe RA  
patients who have failed a previous  
biologic

## Gap in Treatment Options

- Despite standard of care using  
pharmacological treatments  
such as NSAIDs, steroids,  
DMARDs and more recently  
biological agents such as Anti-  
TNF and Anti-IL-6 receptor  
antibody, patients continued to  
have suboptimal improvement in  
the majority of their joints
- Sustained remission only occurs  
in 8-10% of patients on biologics

## Targeted Physician Population

- Rheumatologists
  - General internists

***Ongoing randomized, controlled Phase 2 Trial in 48 patients with biologic refractory rheumatoid arthritis, comparing two doses of MPC-300-IV against placebo***

### 3. Scalable manufacturing capabilities to enable commercial scale production

#### Key stages in manufacturing and distribution process



#### Objectives for achieving commercial scale manufacturing

- Distinct manufacturing processes for each product
- Commercial scale processes with batch-to-batch consistency and reproducible release criteria
- Ensure commercial product supply is aligned with projected market needs
  - Production in Singapore
  - Scale up in 3D Bioreactors
  - Optimized cost of goods



***Strategic alliance with Lonza, a leader in biopharma manufacturing, including exclusive access to their Singapore stem cell facility for allogeneic product manufacturing***

## 4. Extensive intellectual property portfolio covering over 60 patent families

### Composition of matter and manufacturing process

**139 patents or patent applications**  
**Valid through 2019-26**

- MPCs – 63 patents or patent applications (valid through 2026)
- MSCs – 7 patents or patent applications (valid through 2019)
- DPSCs – 31 patents or patent applications (valid through 2024)
- Cell manufacturing and production – 38 patents or patent applications

### Specific therapeutic applications

**337 patents or patent applications**  
**Valid through 2035**

- Immunologic / inflammatory disorders – 74 patents or patent applications
- Cardiovascular disorders – 65 patents or patent applications
- Orthopedic disorders – 59 patents or patent applications
- Oncology / hematology – 85 patents or patent applications
- Other therapeutic applications – 54 patents or patent applications

### Complementary technologies and additional candidates

**134 patents or patent applications**  
**Valid through 2023-32**

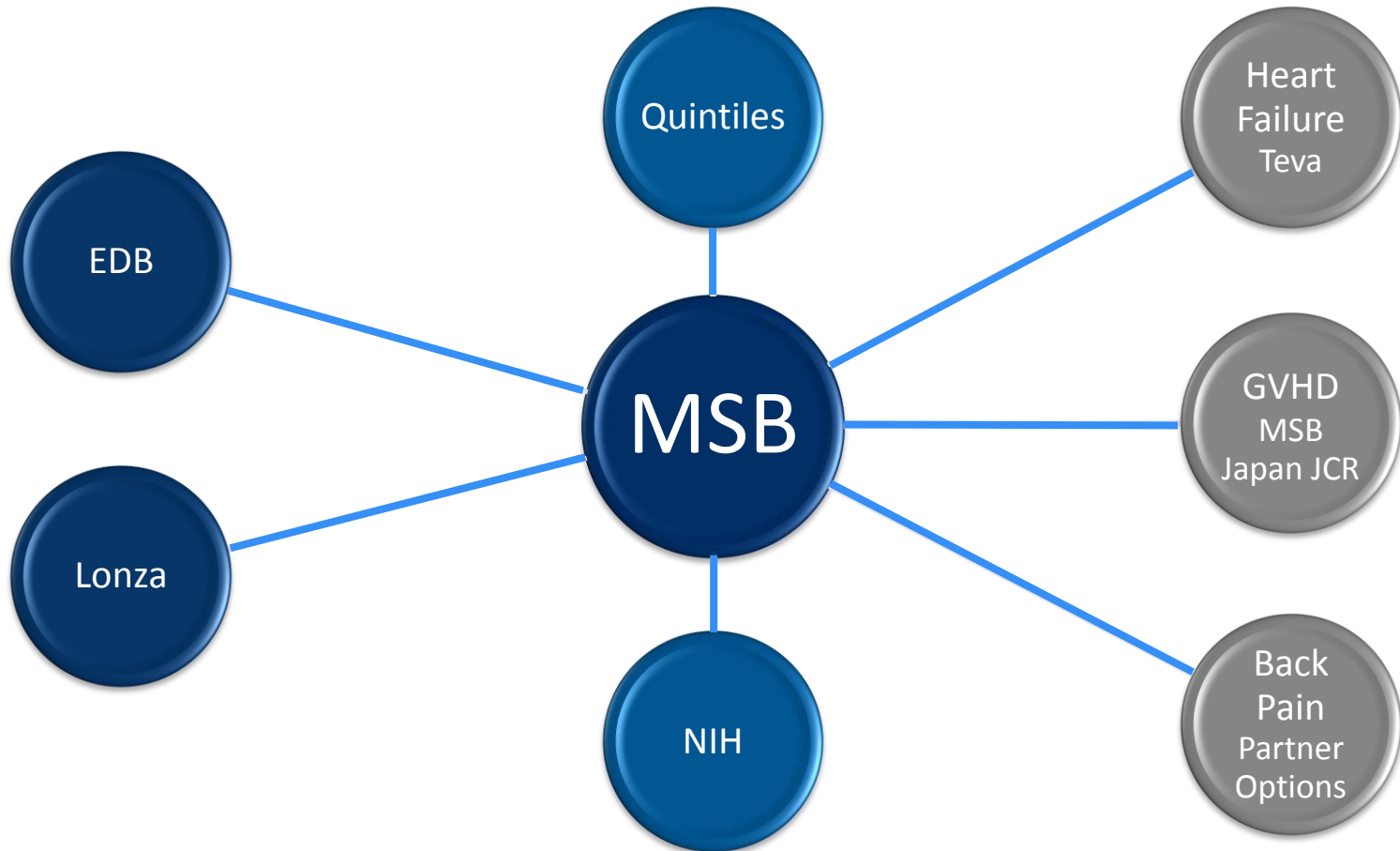
- Cell-based complementary technologies – 62 patents or patent applications (valid through 2030)
- SDF-1 – 25 patents or patent applications (valid through 2032)
- Factors and agents for cardiovascular and other fibrotic indications – 47 patents or patent applications (valid through 2023)

## 5. Build strategic partnerships

Manufacturing

Development

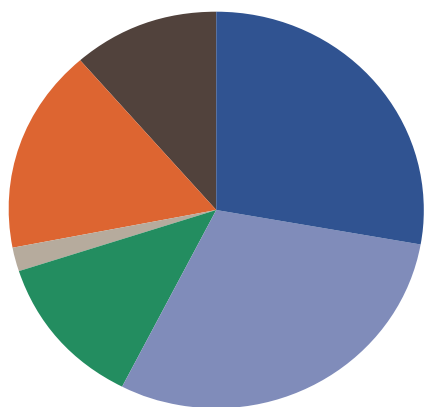
Commercialization





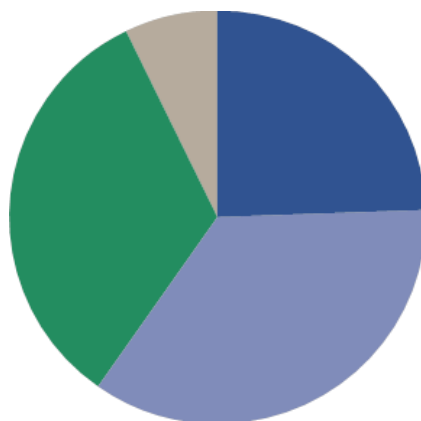
## 6. Experienced management team

### Industry background



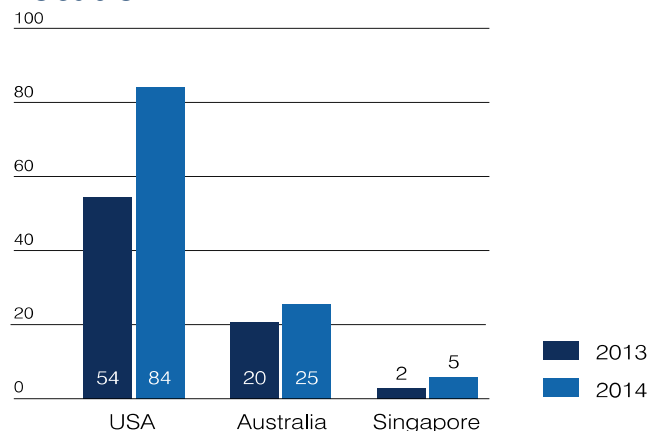
- Pharma – 27.8%
- Specialty Biotech – 29.9%
- Academia – 12.4%
- Regulatory Agencies – 2.1%
- Corporate/Professional – 16.5%
- Other – 11.3%

### Qualification level

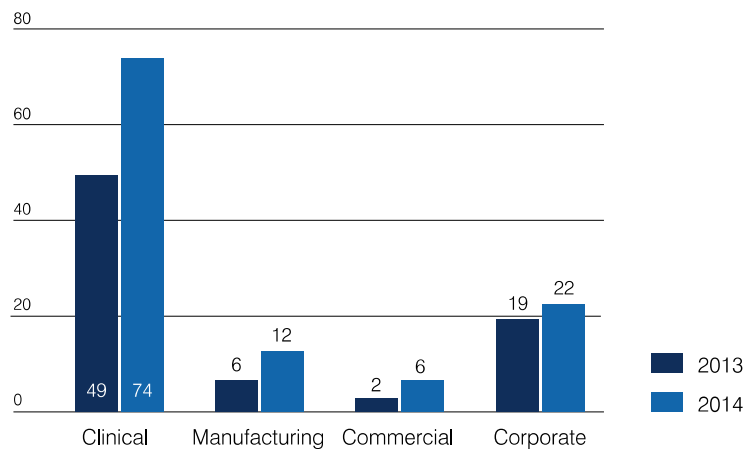


- PhD/MD – 24.7%
- Masters degree – 35.1%
- Bachelor degree – 33.0%
- Other – 7.2%

### Location



### Function





# Upcoming milestones

Product candidates	Programs	Anticipated milestones	2014	2015	2016	2017	2018
MPC-06-ID	Chronic discogenic low back pain, or CDLBP	Phase 3 IND clearance in Q4 2014	■				
		Phase 3 enrollment complete in mid-2016			■		
		Phase 3 interim analysis mid-2016			■		
		Phase 3 top line data in mid-2017				■	
MPC-150-IM	Class II/III CHF	Database lock first interim Q4 2015		■			
		First Phase 3 interim analysis for safety and efficacy results in first half 2016			■		
		Phase 3 trial complete in 2018					■
	Class IV CHF	Initiate of additional Phase 2b trial in late-2014, funded by the NIH	■				
		Phase 2b trial fully recruited in second half 2016			■		
MSC-100-IV	Acute steroid-refractory GVHD	Pediatric launch in Canada 2016			■		
	Acute steroid-refractory GVHD	<b>Pediatric:</b>					
		Initiate U.S. Phase 3 trial by end of 2014	■				
		BLA filing in 2016			■		
	<b>Adult:</b>		■				
		Initiate U.S. Phase 3 trial in 2015					
		BLA filing in 2017				■	
MPC-300-IV	Diabetic kidney disease	Top-line results of current Phase 2 in Q1 2015	■				
	Rheumatoid arthritis (biologic refractory)	Results of current Phase 2 top line expected in second half 2015		■			



**Questions / Thank you**