

## RECOGNITIONS AND AWARDS

- 07/2007 – 06/2008 Chief Cardiology Fellow.**  
Wayne State University - Detroit Medical Center, Detroit MI.
- 07/2006 – 06/2007 Outstanding Fellow – Department of Medicine**  
Wayne State University - Detroit Medical Center, Detroit MI.
- 10/2006 First Place Poster Competition American College of Cardiology (ACC) Michigan Chapter**  
- mRNA expression of Uncoupling proteins 2 and 3 is decreased in left ventricular myocardium of dogs with heart failure and is normalized following long-term therapy with  $\beta$ -Blockade
- 03/2005 First Place Resident and Fellow Research Forum – Podium Presentation Henry Ford Hospital**  
- Chronic  $\beta$ -Blockade therapy normalizes mRNA gene expression of fatty acid oxidation regulatory enzymes in LV myocardium of dogs with HF
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## PUBLICATIONS (INCLUDES PUBLISHED ABSTRACTS)

- 2009** The no-reflow phenomenon in the coronary circulation  
Kiernan TJ, Ruggiero NJ 2<sup>nd</sup>, **Bernal JM**, Don CW, Witzke C, Kiernan GD, Cubeddu RJ, Yan BP  
Cardiovasc Hematol Agents Med Chem, 2009 Jul;7(3):181-92
- Coronary artery perforations in the contemporary interventional era  
Kiernan TJ, Yan BP, Ruggiero N, Eisenberg JD, **Bernal J**, Cubeddu RJ, Witzke C, Don C, Cruz-Gonzalez I, Rosenfield K, Pomersantev E, Palacios I  
J Interv Cardiol, 2009 Aug; 22(4):350-3
- Revascularization for Left Ventricular Dysfunction  
Ruggiero NJ II, Kiernan TJ, **Bernal JM**, Palacios IF  
Heart Failure: Device Management, 2009 Aug; 20:21, Chap 9, 99-110
- 2008** Echocardiography in Hypertrophic Cardiomyopathy: The role of Conventional and Emerging Technologies.  
Afonso LC. **Bernal JM**, Abraham T, Bax JJ  
JACC Imaging 2008 Nov Vol 1 (6) 787-800
- 2007** Acute Pulmonary Edema Following Pericardiocentesis for Cardiac Tamponade.  
**Bernal JM**, Li Tao, Jyotiranjjan Pradhan, Ronny Tchokonte, Afonso Luis.  
Can J Cardiol. 2007 Dec; 23(14):1155-6
- A thrombospondin-1 antagonist of TGF- $\beta$  activation blocks cardiomyopathy in rats with diabetes and elevated angiotensin II  
Souad Belmadani, **Juan Bernal**, Chin-Chang Wei, Manuel A. Pallerio, Louis DellItalia, Joanne E. Murphy-Ullrich, Kathleen H. Berecek.  
Am J Pathol. 2007Sep; 171(3):777-89
- Apical Hypertrophic Cardiomyopathy: Potential Utility of Strain Imaging in Diagnosis.

Madhulata Reddy, Deepak Thatai, **Juan Bernal**, Luis Afonso.  
Eur J Echocardiogr. 2007 Mar 27.

Long-Term Therapy with Ranolazine Decreases mRNA and Protein Expression of the Transcriptional Repressor Nab1 and the Transcription Factor Egr1 in Dogs with Chronic Heart Failure.

Sharad Rastogi, **Juan Bernal**, Valerio Zaca, Luiz Belardinelli, Brent Blackburn, Hani N. Sabbah, Henry Ford Health System, Detroit, MI, CV Therapeutics, Inc., Palo Alto, CA  
Journal of the American College of Cardiology – Supplement A Volume 49,  
No 9 March 6, 2007.

- 2006** Role of the Renin Angiotensin Aldosterone System in Diastolic Heart Failure: Potential for Pharmacological Intervention.  
**Bernal JM**, Pitta Sridevi, Thathai Deepak.  
Am J Cardiovasc Drugs. 2006; 6(6):378-81
- 2005** Chronic Therapy with Eplerenone Normalizes mRNA Expression of Gelatinases and Titin Isoforms in Dogs with Heart Failure  
Sharad Rastogi, Issa Al-Esh, **Juan Bernal**, Ramesh C Gupta, Sidney Goldstein, Hani N Sabbah.  
Circulation – Supplement Vol 112, No 17 October 25, 2005. 1740
- 2003** Cardiac Remodeling and Systolic Function in the Streptozotocin (STZ)-Diabetic Rat With and Without Aortic Abdominal Coarctation (ACC).  
Berecek KH, **Bernal JM**, Dell'Italia Louis J, Murphy-Ullrich J.  
FASEB Journal 17(4) Part 1, A858, 2003 March.
- 2002** Cardiac remodeling and Systolic Function in the Streptozotocin (STZ) diabetic Rat.  
**Bernal JM**, Perry GJ, Dell'Italia LJ, Tallaj JA, Bradley WE, Murphy-Ullrich J, Lucchesi PA, Berecek KH.  
FASEB Journal. 16 (5) Part 2, A864, 2002 March
- 1999** Hepatitis A Infection in Soldiers in Santafe de Bogota 1998.  
Gutierrez CE, **Bernal JM**, Garcia-Herreros DL, Garavito V, Panesso D, Gutierrez E, Jaramillo AC.  
Publications of the Colombian School of Medicine.1999; File 1266.  
Presented at VII Institutional Research Meeting.  
Colombian School of Medicine. September 1999.

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## POSTER SESSIONS

- 07/2007** Blockade of thrombospondin-1 (TSP-1) mediated TGF- $\beta$  activation attenuates cardiomyopathy in rats with diabetes and elevated angiotensin II  
Souad Belmadani, **Juan Bernal**, Chi-Chang Wei, Manuel A. Pallero, Louis Dell'Italia, Joanne E. Murphy-Ullrich, Kathleen H. Berecek.  
  
Association Council on Basic Cardiovascular Sciences-Cardiovascular Repair and Regeneration: Structural and Molecular Approaches in the Cellular Era (AHA) July – August 2007 Keystone, Colorado 2007.
- 10/2006** mRNA expression of Uncoupling proteins 2 and 3 is decreased in left ventricular myocardium of dogs with heart failure and is normalized following long-term therapy with  $\beta$ -Blockade  
**Bernal JM**, Rastogi S, Al-Esh I, Gupta RC, Sabbah HN.  
  
Presented at ACC Michigan Chapter, Traverse City MI 2006

**09/2003**

Congenital Cardiac Defects, Hypercoagulability and Stroke.  
**Bernal JM**, Osman-Malik YM.

Aspergilloma as a complication of Staphylococcus Necrotizing Pneumonia.  
**Bernal JM**, Allenspach LL, Hehn BT.

Presented at: American College of Physicians (ACP) – Michigan Chapter  
Traverse City, MI. September 18-21 2003

**11/2001**

Cardiac function and remodeling in Streptozitocin (STZ) treated rats with and without aortic abdominal coarctation.

**Bernal JM**, Perry GJ, Tallaj JA, Bradley W, Berecek KH.

Contribution of Nitric Oxide to the Antihypertensive effect of Captopril.

**Bernal JM**, Edwards DG, Bai XM, Berecek KH.

Presented at: 12<sup>TH</sup> Annual Vascular Biology and Hypertension  
Research Symposium. University of Alabama at Birmingham. Destin, FL  
October 11 – 13. 2001

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## **BOOK CHAPTERS**

**2008**

Mohamad T, Fakhri HA, **Bernal JM**, Thatai D. Cardiovascular Disease and pregnancy. Emedicine from Web MD. Undergoing editorial review.  
To be available at: [http://www.emedicine.com/med/topic\\_162004.htm](http://www.emedicine.com/med/topic_162004.htm).