

**CURRICULUM VITAE  
OLIVERA STOJADINOVIC**

**PERSONAL**

Name: Olivera Stojadinovic. M.D.  
Home Address: 2001 Biscayne boulevard #2514  
Miami, FL 33137  
Home Phone: 917-847-6691

**HIGHER EDUCATION**

B.A./M.D. School of Medicine, University of Belgrade, Belgrade, Yugoslavia 10/1991-06/1998

Internship (Internal Medicine), Hospital for Cardiovascular Disorders, Belgrade, Yugoslavia 07/1998-06/1999

Residency (Dermatology), Medical Academy VMA, Belgrade Yugoslavia 04/2000- 01/2002  
Research topic: Immunology of Skin Disorders

Internship, 145650, Miller School of Medicine, Miami, FL, USA 06/2016- 06/2017

Residency Dermatology, University of Miami Miller School of Medicine / Jackson Health System Program, Miami, FL, USA 07/2017- 07/2020

PhD candidate – Immunology, Infection and Inflammation  
Advisors: Arsenijevic Nebojsa, MD, PhD and Marjana Tomic- Canic, PhD  
Thesis title: The role of epidermal stem cell niche and their contribution to pathogenesis of non-healing venous leg ulcers  
Faculty of Medical Sciences, University of Kragujevac 07/2016- present

**EXPERIENCE**

**Academic:**

Postdoctoral Research Fellow, research topic: Molecular Biology of Wound Healing, advisor: Marjana Tomic-Canic, NYU School of Medicine, Department of Dermatology, New York, USA 01/2002-02/ 2004

Senior Research Fellow, research topic: Molecular Biology of Wound Healing, advisor: Marjana Tomic-Canic, NYU School of Medicine, Department of Dermatology, New York, USA 02/2004-02/2005

Associate Scientist, research topic: Molecular Biology of Wound Healing, advisor: Marjana Tomic-Canic, NYU School of Medicine, Department of Dermatology, New York, USA 02/2005-10/2005

Senior Research Scientist, research topic: Molecular Biology of Wound Healing, advisor: Marjana Tomic-Canic, Hospital for Special Surgery, Tissue Engineering, Repair and Regeneration Program, New York, USA 10/2005-09/2006

Instructor Scientist, research topic: Molecular Biology of Wound Healing, advisor: Marjana Tomic-Canic, Hospital for Special Surgery, Tissue Engineering, Repair and Regeneration Program New York, USA 09/2006-01/2009

Research Assistant Professor, research topic: Molecular Biology of Wound Healing, 02/2009-06/2016  
University of Miami, Miller School of Medicine,  
Department of Dermatology & Cutaneous Surgery, Miami, FL

#### **Hospital/Work Appointments:**

Hospital for Cardiovascular Disorders, Belgrade, Yugoslavia	07/1998-06/1999
Vacusac Medic, Belgrade, Yugoslavia	06/1999-03/2000
Medical Academy VMA, Belgrade, Yugoslavia	04/2000-01/2002
Forest Medical PC, NY, New York, United States	01/2002-03/2002
Department of Surgery, University of Miami, Miller School of Medicine, Miami, FL	06/2016-06/2017
Dr Philip Frost Department of Dermatology & Cutaneous Surgery, University of Miami, Miller School of Medicine, Jackson Memorial Hospital, Miami, FL	07/2017- present

#### **PUBLICATIONS**

##### **Juried or refereed journal articles:**

- 1.
2. Egger A, Maderal A, Lev-Tov H, **Stojadinovic O**. A Case Report of a Patient with Turner Syndrome, Multiple Comorbidities, and Pustular Psoriasis: Correlation or Coincidence? *Case Rep Dermatol Med*. 2020 Jan 8;2020:5750309. doi: 10.1155/2020/5750309. eCollection 2020
3. Nemcevic A, **Stojadinovic O**, Miteva M: Folliculitis decalvans and lichen planopilaris phenotypic spectrum – a series of 7 new cases with focus on histopathology. *Am J Dermatopathol*. 2020 Mar;42(3):173-177.
4. Pastar I, Sawaya AP, Jozic I, **Stojadinovic O**, Strbo N, Stone RC, Head CR, O'Neill K, Kornfeld E, Kirsner RS, Lev-Tov H, Tomic-Canic M: Intracellular Staphylococcus aureus Triggers Pyroptosis and Contributes to Inhibition of Healing Due to Perforin-2 Suppression, 2019, *JCI* in revision
5. Sawaya AP, Jozic I, Stone RC, Pastar I, Egger AN, **Stojadinovic O**, Glinos GD, Kirsner RS, Tomic-Canic M. Mevastatin promotes healing by targeting Caveolin-1 to restore EGFR signaling. *JCI Insight*. 2019 Oct 29. pii: 129320. doi: 10.1172/jci.insight.129320.
6. Stone RC, **Stojadinovic O**, Sawaya AP, Glinos GD, Lindley LE, Pastar I, Badiavas E, Tomic-Canic M. A Bioengineered Living Cell Construct Activates Metallothionein/Zinc/MMP8 and Inhibits TGF $\beta$  to Stimulate Remodeling of Fibrotic Venous Leg Ulcers. *Wound Repair Regen*. 2019 Oct 31. doi: 10.1111/wrr.12778
7. **Stojadinovic O**, Morrison B, Tosti A. Adverse effects of Platelet Rich Plasma and Microneedling. *J Am Acad Dermatol*. 2019 Aug 10. pii: S0190-9622(19)32554-X. doi: 10.1016/j.jaad.2019.07.109.
8. Strbo N, Pastar I, Romero L, Chen V, Vujanac M, Sawaya AP, Jozic I, Ferreira AF, Wong LL, Head C, **Stojadinovic O**, Garcia D, O'Neill K, Drakulich S, Taller S, Kirsner RS, Tomic-Canic M. Single cell analyses reveal specific distribution of anti-bacterial molecule Perforin-2 in human skin and its modulation by wounding and Staphylococcus aureus infection. *Exp Dermatol*. 2019 Mar;28(3):225-232

9. Rosen JD, **Stojadinovic O**, McBride JD, Rico R, Cho-Vega JH, Nichols AJ. Bowel-associated dermatosis-arthritis syndrome (BADAS) in a patient with cystic fibrosis. *JAAD Case Rep.* 2018 Dec 5;5(1):37-39.
10. Ramirez HA, Pastar I, Jozic I, **Stojadinovic O**, Stone RC, Ojeh N, Gil J, Davis SC, Kirsner RS, Tomic-Canic M. Staphylococcus aureus Triggers Induction of miR-15B-5P to Diminish DNA Repair and Deregulate Inflammatory Response in Diabetic Foot Ulcers. *J Invest Dermatol.* 2018 May;138(5):1187-1196
11. Sawaya AP, Pastar I, **Stojadinovic O**, Lazovic S, Davis SC, Gil J, Kirsner RS, Tomic-Canic M. Topical mevastatin promotes wound healing by inhibiting the transcription factor c-Myc via the glucocorticoid receptor and the long non-coding RNA Gas5. *J Biol Chem.* 2018 Jan 26;293(4):1439-1449.
12. **Stojadinovic O**, Wikramanayake TC, Villasante Fricke AC, Yin NC, Liang L, Hinde E, Escandon J, Tomic-Canic M, Ansell DM, Paus R, Jimenez JJ. Wound healing protects against chemotherapy-induced alopecia in young rats via up-regulating interleukin-1 $\beta$ -mediated signaling. *Heliyon.* 2017 May 30;3(5):e00309.
13. **Stojadinovic O**<sup>1</sup>, Stone RC, Rosa AM, Ramirez HA, Badiavas E, Blumenberg M, Tomic-Canic M.<sup>1</sup> These authors contributed equally to the work. A bioengineered living cell construct activates an acute wound healing response in venous leg ulcers. *Sci Transl Med.* 2017 Jan 4;9(371).
14. Jozic I, Vukelic S, **Stojadinovic O**, Liang L, Ramirez HA, Pastar I, Tomic-Canic M. Stress Signals, Mediated by Membranous Glucocorticoid Receptor, Activate PLC/PKC/GSK-3 $\beta$ / $\beta$ -catenin Pathway to Inhibit Wound Closure. *J Invest Dermatol.* 2016 Dec 22. pii: S0022 202X(16)32803-2. doi: 10.1016/j.jid.2016.11.036.
15. **Stojadinovic O**, Ramirez H, Pastar I, Gordon KA, Stone R, Choudhary S, Badiavas E, Nouri K, Tomic-Canic M. MiR-21 and miR-205 are induced in invasive cutaneous squamous cell carcinomas. *Arch Dermatol Res.* 2016 Dec 24. doi: 10.1007/s00403-016-1705-0.
16. **Stojadinovic O**, Lindley LE, Jozic I, Tomic-Canic M. Mineralocorticoid Receptor Antagonists-A New Sprinkle of Salt and Youth. *J Invest Dermatol.* 2016 Oct;136(10):1938-41
17. Liang L, Stone RC, **Stojadinovic O**, Ramirez H, Pastar I, Maione AG, Smith A, Yanez V, Veves A, Kirsner RS, Garlick JA, Tomic-Canic M. Integrative analysis of miRNA and mRNA paired expression profiling of primary fibroblast derived from diabetic foot ulcers reveals multiple impaired cellular functions. *Wound Repair Regen.* 2016 Sep 8. doi: 10.1111/wrr.12470.
18. Lindley LE, **Stojadinovic O**, Pastar I, Tomic-Canic M. Biology and Biomarkers for Wound Healing. *Plast Reconstr Surg.* 2016 Sep;138 (3 Suppl):18S-28S.
19. Pastar I, **Stojadinovic O**, Sawaya AP, Stone RC, Lindley LE, Ojeh N, Vukelic S, Samuels HH, Tomic-Canic M. Skin Metabolite, Farnesyl Pyrophosphate, Regulates Epidermal Response to Inflammation, Oxidative Stress and Migration. *J Cell Physiol.* 2016 Nov;231(11):2452-63
20. Ojeh N, Pastar I, Tomic-Canic M, **Stojadinovic O**. Stem Cells in Skin Regeneration, Wound Healing, and Their Clinical Applications. *Int J Mol Sci.* 2015 Oct 23; 16(10):25476-501.
21. McCormack RM, de Armas LR, Shiratsuchi M, Fiorentino DG, Olsson ML, Lichtenheld MG, Morales A, Lyapichev K, Gonzalez LE, Strbo N, Sukumar N, **Stojadinovic O**, Plano GV, Munson GP, Tomic-Canic M, Kirsner RS, Russell DG, Podack ER. Perforin-2 is essential for intracellular defense of parenchymal cells and phagocytes against pathogenic bacteria. (2015) *Elife.* 24; 4. doi: 10.7554/eLife.06508.
22. Ramirez HA, Liang L, Pastar I, Rosa AM, **Stojadinovic O**, Zwick TG, Kirsner RS, Maione AG, Garlick JA, Tomic-Canic M. Comparative Genomic, MicroRNA, and Tissue Analyses Reveal Subtle Differences between Non-Diabetic and Diabetic Foot Skin. *PLoS One.* 2015 Aug 28; 10(8):e0137133. doi: 10.1371/journal.pone.0137133.
23. Jozic I, **Stojadinovic O**, Kirsner RS, Tomic-Canic M. Skin under the (Spot)-Light: Cross-Talk with the Central Hypothalamic-Pituitary-Adrenal (HPA) Axis. (2015) *J Invest Dermatol.*; 135 (6):1469-71.
24. Maione AG, Brudno Y, **Stojadinovic O**, Park LK, Smith A, Tellechea A, Leal EC, Kearney CJ, Veves A, Tomic-Canic M, Mooney D, Garlick J. 3D human tissue models that incorporate diabetic foot ulcer-derived fibroblasts mimic in vivo features of chronic wounds. *Tissue Eng Part C Methods.* (2015) 21(5):499-508.

25. Jozic I, **Stojadinovic O.**, Kirsner RS, Tomic-Canic M. Stressing the steroids in skin: paradox or fine-tuning? *J Invest Dermatol.* (2014) 134(12):2869-72.
26. Ojeh N, **Stojadinovic O.**, Pastar I, Sawaya A, Yin N, Tomic-Canic M. The effects of caffeine on wound healing. *Int Wound J.* (2014) Jul 8. doi: 10.1111/iwj.12327
27. Pastar I., **Stojadinovic O.**, Yin N., Ramirez H., Nusbaum A., Sawaya A., Patel S.B., Khalid L., Isseroff R. R., Tomic-Canic M. Epithelialization in Wound Healing: A Comprehensive review. (2014) *Advances in Wound Care* 3(7):445-464.
28. Strbo N., Yin N., **Stojadinovic O.** Innate and Adaptive Immune Responses in Wound Epithelialization. (2014) *Advances in Wound Care.* 3(7):492-501
29. Barrientos S, Brem H, **Stojadinovic O.**, Tomic-Canic M. Clinical Application of Growth Factors and Cytokines in Wound Healing. (2014) *Wound Repair Regen.* 22(5):569-78.
30. Wikramanayake T.C., **Stojadinovic O.**, Tomic-Canic M. Epidermal Differentiation in Barrier Maintenance and Wound Healing. (2014) *Adv Wound Care.* 1; 3(3):272-280
31. **Stojadinovic O.**, Pastar I, Nusbaum, AG, Vukelic S, Krzyzanowska A and Tomic-Canic M: Deregulation of Epidermal Stem Cells Niche in Non-healing Venous Ulcers. (2014) *Wound Repair and Regeneration*, 22 (2): 149-153
32. Yin N., Miteva M., Covington D.S., Romanelli P. **Stojadinovic O.** The Importance of Wound Biopsy in the Accurate Diagnosis of Acral Malignant Melanoma Presenting as a Foot Ulcer. (2013) *Int. J. Low Extrem. Wounds.* 12 (4): 289-292.
33. **Stojadinovic O.**, Yin N, Lehmann J, Pastar I, Kirsner RS, Tomic-Canic M. Increased number of Langerhans cells in the epidermis of diabetic foot ulcers correlates with healing outcome. *Immunol Res.* 2013 Dec;57(1-3):222-8.
34. **Stojadinovic O.**, Tomic-Canic M. Human *Ex vivo* Wound Healing Model. (2013), *Methods Mol Biol.* 2013;1037: 255-64.
35. **Stojadinovic O.**, Minkiewicz J., Sawaya A., Bourne J.W., Torzilli P., de Rivero Vaccari j.P., Dietrich W.D., Keane R.W., Tomic-Canic M. Deep Tissue Injury in Development of Pressure Ulcers: A Decrease of Inflammation Activation and Changes in Human Skin Morphology in Response to Aging and Mechanical Load. (2013), *PlosOne.* 8(8):e69223.
36. **Stojadinovic O.**, Sawaya A, Pastar I and Tomic-Canic M: Glucocorticoid Receptor Localizes to Adherens Junctions at the Plasma Membrane of Keratinocytes, (2013), *Plos One.* 8(4):e63453.
37. **Stojadinovic O.**<sup>1</sup>, Landon J.N.<sup>1</sup>, Gordon K.A., Pastar I., Escandon J., Vivas A., Maderal A.D., Margolis D.J., Kirsner R.S., Tomic-Canic M. <sup>1</sup>These authors contributed equally to the work. Quality Assessment of Tissue Specimens for Studies of Diabetic Foot Ulcers, *Exp. Dermatology.* (2013), 22 (3) 216–218
38. Pastar I., Nusbaum A.G., Gil J., Valdes J., **Stojadinovic O.**, Plano L., Cancio L, Tomic-Canic M., Davis S. C.: Interactions of Methicillin Resistant *Staphylococcus aureus* USA300 and *Pseudomonas aeruginosa* in Polymicrobial Wound Infection, *Plos One.* (2013); 8(2):
39. G. Yu, **O. Stojadinovic**, M. Tomic-Canic, C. R. Flach, R. Mendelsohn: Infrared microscopic imaging of cutaneous wound healing: lipid conformation in the migrating epithelial tongue; *Journal of Biomedical Optics* 2012, 17(9), 96009-1
40. **Stojadinovic O.**, Gordon K., Labrun E., Tomic-Canic M. Stress-Induced Hormones Cortisol and Epinephrine Impair Wound Epithelialization *Adv. in Wound Care.* (2012);1;29-36
41. Pastar I, Khan AA, **Stojadinovic O.**, Lebrun EA, Medina MC, Brem H, Kirsner RS, Jimenez JJ, Leslie C, Tomic-Canic M. Induction of specific micro Ribonucleic acids (miRNAs) inhibits cutaneous wound healing *J Biol Chem.* (2012), 287(35):29324-35.
42. Pechter PM, Gil J, Valdes J, Tomic-Canic M, Pastar I, **Stojadinovic O.**, Kirsner RS, Davis SC. Keratin dressings speed epithelialization of deep partial-thickness wounds. *Wound Repair Regen.* (2012);20(2):236-42
43. Pastar I, Ramirez H, **Stojadinovic O.**, Brem H, Kirsner RS, Tomic-Canic M. Micro-RNAs: New Regulators of Wound Healing. *Surg Technol Int.* (2012) XXI:51-60

44. **Stojadinovic O**<sup>1</sup>, Vukelic S<sup>1</sup>, Pastar I, Rabach M, Krzyzanowska A, Lebrun E, Davis SC, Resnik S, Brem H, Tomic-Canic M. <sup>1</sup>These authors contributed equally to the work. Cortisol synthesis in epidermis is induced by IL-1 and tissue injury. *J Biol Chem.* (2011) 25; 286(12):10265-75
45. **Stojadinovic O**, Ito M, Tomic-Canic M. Hair cycling and wound healing: to pluck or not to pluck? (2011) *J. Invest. Dermatol.* 131(2):292-4
46. **Stojadinovic O**, Lebrun E, Pastar I, Kirsner R, Davis SC, Tomic-Canic M. Statins as Potential Therapeutic Agents for Wound Healing Disorders (2010) *Expert Rev Dermatol.* 5(6); 689-98
47. Pastar I, **Stojadinovic O**, Krzyzanowska A, Barrientos S, Stuelten C, Zimmerman K, Blumenberg M., Brem H., Tomic-Canic M. Attenuation of TGF $\beta$  Signaling Pathway in Chronic Venous Ulcers. (2010) *J. Mol. Med.* 16(3-4):92-101
48. Vukelic S, **Stojadinovic O**, Pastar I., Vouthounis C., Krzyzanowska A., Das S., Samuels S. S., Tomic-Canic, M. Farnesyl Pyrophosphate Inhibits Epithelialization and Wound Healing Through the Glucocorticoid Receptor. (2010) *J Biol Chem.* 285(3):1980-8
49. **Stojadinovic O**, Pastar I., Krzyzanowska A., Zimmerman K., Brem H., Tomic-Canic, M. Change of fate of epidermal stem cells contributes to pathogenesis of chronic wounds. (2009) *J Invest Dermatol* 129:s5.
50. Golinko MS, Joffe R, de Vinck D, Chandrasekaran E, **Stojadinovic O**, Barrientos S, Vukelic S, Tomic-Canic M, Brem H. Surgical pathology to describe the clinical margin of debridement of chronic wounds using a wound electronic medical record. (2009) *J Am Coll Surg.* 209(2):254-260.e1
51. Lee DD<sup>1</sup>, **Stojadinovic O**<sup>1</sup>, Krzyzanowska A, Vouthounis C, Blumenberg M, Tomic-Canic M. These authors contributed equally to the work. Retinoid- responsive transcriptional changes in epidermal keratinocytes. (2009) *J Cell Physiol.* 220(2):427-439, 2009
52. Kandolf Sekulović L, Cikota B, Jović M, Skiljević D, **Stojadinovic O**, Medenica L, Magić Z. The Role of Apoptosis and Cell Proliferation Regulating Genes in Mycosis Fungoides. *J Dermatol Sci.* 2009; 55(1):53-6.
53. Brem H, Kodra A, Golinko MS, Entero H, **Stojadinovic O**, Wang VM, Sheahan CM, Weinberg AD, Woo SL, Ehrlich HP, Tomic-Canic M. Mechanism of Sustained Release of Vascular Endothelial Growth Factor in Accelerating Experimental Diabetic Healing. (2009) *J Invest Dermatol.* 129(9):2275-87.
54. Brem H., Golinko MS., **Stojadinovic O.**, Kodra A., Diegelmann RF, Vukelic S., Entero H., Coppock DL., Tomic-Canic M.: Primary cultured fibroblasts derived from patients with chronic wounds: a methodology to produce human cell lines and test putative growth factor therapy such as GMCSF, *J. Transl. Med.* 6(1):756:75, 2008
55. Chan KL., Zhang G., Tomic-Canic M., **Stojadinovic O.**, Flach CR., Mendelsohn R.: A Coordinated Approach to Cutaneous Wound Healing: Vibrational Microspectroscopic Imaging and Molecular Biology, *J. Cell Mol. Med.*, 12 (5B): 2145- 1254, 2008
56. Chandrasekaran EB., Golinko M., Vukelic S., Joffe R., **Stojadinovic O.**, Tomic-Canic M., Brem H.: Pathology to define epidermal margin and depth of surgical debridement of diabetic foot ulcers, *J. Am. Coll. Surg.*, 207 (3) : S52 ,2008
57. Barrientos S., **Stojadinovic, O.**, Golinko MS., Brem H., Tomic-Canic M.: Growth Factors and Cytokines in Wound Healing, *Wound Repair and Regeneration*, 16 (5): 585-590, 2008
58. Tomic-Canic M., Ayello EA, **Stojadinovic O.**, Golinko, MS, Brem, H: Using gene transcription patterns (bar coding scans) to guide wound debridement and healing. *Adv Skin Wound Care.* 21(10):493-494, 2008
59. Tomic-Canic M., Ayello EA., **Stojadinovic O.**, Golinko, MS., Brem, H.: Using gene transcription patterns (bar coding scans) to guide wound debridement and healing. *Adv Skin Wound Care.*, 21(10):487-92; quiz 493-4, 2008
60. Pastar I., **Stojadinovic O.**, Tomic-Canic M.: Role of keratinocytes in healing of chronic wounds. *Surg Technol Int.*, 17:105-12, 2008
61. Charles CA., Tomic-Canic M., Vincek V., Nassiri M., **Stojadinovic O.**, Eaglstein WH., Kirsner RS.: A gene signature of nonhealing venous ulcers: Potential diagnostic markers. *J Am Acad Dermatol.* 59 (5): 758-771, 2008

62. Tomic-Canic M, **Stojadinovic O**, Lee B, Walsh R. , Blumenberg M.: Nexus Between Epidermolysis Bullosa and Transcriptional Regulation by Thyroid Hormone in Epidermal Keratinocytes, Clin. and Transl. Sci., 1 (1) 45-49, 2008
63. **Stojadinovic O.**, Pastar I., Vukelic S., Mahoney MG., Brennan D., Krzyzanowska A., Golinko MS., Brem H. and Tomic-Canic M: Deregulation of Keratinocyte Differentiation and Activation Pathways are a Hallmark of Pathogenesis of Chronic Wounds., J Cell Mol Med. 2008 Dec;12(6B):2675-90
64. Harsha A.<sup>1</sup>, **Stojadinovic O.**<sup>1</sup>, Brem H., Sehara-Fujisawa A., Wewer U., Loomis CA., Blobel CP, Tomic-Canic M: <sup>1</sup>These authors contributed equally to the work. ADAM12: a Potential Target for the Treatment of Chronic Wounds. J. Mol. Med. 86(8):961-9, 2008
65. Kandolf Sekulovic L., Cikota B., **Stojadinovic O.**, Basanovic J., Skiljevic D., Medenica Lj., Pavlovic M., Magic Z. TCRgamma gene rearrangement analysis in skin samples and peripheral blood of mycosis fungoides patients. Acta Derm. Alp. Pan. Adriat.,16(4):149-55, 2007
66. Brem H.<sup>1</sup>, **Stojadinovic O.**<sup>1</sup>, Diegelmann RF., Entero H., Lee B., Pastar I., Golinko M., Rosenberg H., Tomic-Canic M. <sup>1</sup>These authors contributed equally to the work. : Molecular Markers in Patients with Chronic Wounds to Guide Surgical Debridement. , Mol. Med. 13 (1-2) 30-39, 2007
67. Hwang J., Kalinin A., Hwang M., Anderson DE., Kim MJ., **Stojadinovic O.**, Tomic-Canic M., Lee SH, Morasso MI: Role of scarf and its target proteins in epidermal calcium homeostasis. J Biol Chem., 282(25):18645-53, 2007
68. Tomic-Canic M., Mamber W.S., **Stojadinovic O.**, Lee B., Radoja N. and McMichael J.: Streptolysin O Enhances Keratinocyte Migration and Proliferation and Promotes Skin Organ Culture Wound Healing In Vitro. Wound Repair Regen. , 15(1):71-9, 2007
69. **Stojadinovic O.**, Lee B., Vouthounis C., Vukelic S., Pastar I., Blumenberg M., Brem H., Tomic-Canic M.: Novel Genomic Effects of Glucocorticoids in Epidermis: Inhibition of Apoptosis, IFN $\gamma$  Pathway and Wound Healing along with Promotion of Terminal Differentiation. J Biol. Chem., 282(6):4021-34, 2007
70. **Stojadinovic O.**, Brem H. Vouthounis C., Lee B., Fallon J., Stallcup M., Merchant A., Galiano RD, Tomic- Canic M.: Molecular pathogenesis of chronic wounds: the role of beta-catenin and c-myc in the inhibition of epithelialization and wound healing, Am J Pathol. , 167(1): 59-69, 2005
71. Jho S., Vouthounis C., Lee B., **Stojadinovic O.**, Im MJ., Brem H., Merchant A., Chau K., Tomic-Canic M.:The book of opposites: the role of the nuclear receptor co-regulators in the suppression of epidermal genes by retinoic acid and thyroid hormone receptors, J Invest Dermatol., 124(5): 1034-43, 2005
72. Lee B, Vouthounis C, **Stojadinovic O**, Brem H, Im M, Tomic-Canic M.:From an enhanceosome to a repressosome: molecular antagonism between glucocorticoids and EGF leads to inhibition of wound healing, J Mol Biol. ,345(5): 1083-97, 2005
73. Radoja N., **Stojadinovic O.**, Waseem A., Tomic- Canic M., Milisavljevic V., Teebor S., Blumenberg M.: Thyroid Hormones and Interferon-Gamma Specifically Increase K15 Gene Transcription, Mol Cell Biol. 24(8):3168- 79, 2004
74. Pavlovic M.D., Zecevic R.D., Stamenkovic M.,**Stojadinovic O.**, Zolotarevski L.: Trauma-induced perforating folliculitis, Eur J Dermatol.,13(6): 592, 2003
75. **Stojadinovic O.**: Dvadeset osam slucajeva juvenilnog pocetka Adamantijades- Behcetove bolesti u Nemackoj, Vojnosanitetski pregled, 57:610-611, 2000

### Books and monographs:

1. Pastar I, Liang L, Sawaya AP, Cao Wikramanayake T, Glinos GD, Drakulich S, Chen V, **Stojadinovic O**, Davis SC and Tomic-Canic M: Pre-clinical Models for Wound Healing Studies. Book titled "Skin Tissue Models" publisher Elsevier, Editors: Alexandra Marques, Rui L. Reis, Rogério P. Pirraco, Mariana T. Cerqueira (2017)
2. Rosa A, Fox J, Tomic-Canic M and **Stojadinovic O**: Wound Care for Laser Treatments. Lasers in Dermatology and Medicine, (2015) K Nouri Ed

3. Khalid L, **Stojadinovic O** and Tomic–Canic M: Post-operative Wound Care and Dressings. Handbook of Lasers in Dermatology. K Nouri Ed (2014) Springer, London. (pp 425-435) .
4. **Stojadinovic O**, Pastar I, Gordon K and Tomic- Canic M: Physiology and Pathophysiology of Wound Healing in Diabetes. Diabetic Foot, The Third Edition, Edited by Aristidis Veves, MD; Humana Press (2014)
5. **Stojadinovic O** and Tomic-Canic M : Human Ex Vivo Wound Healing Model. Wound Regeneration and Repair: Methods and Protocols. RG Gourdie and TA Mayers (eds.) (2013) Methods Mol Biol. 1037:255-64.
6. **Stojadinovic O**, Katherine Gordon, and Marjana Tomic- Canic: Wound Dressings. Dermatologic Surgery – Step by step. Edited by: Nouri K and Seward J; Wiley-Blackwell (2013)
7. **Stojadinovic O**, Zabelinsky M., Tomic-Canic M. Healing Competence of the Keratinocytes and the Chronic Wound Edge In. (2010): Translational medicine: from benchtop to bedside to community and back. Adv. Skin Wound Care (Volume I). Sen CK (ed.), Mary Ann Liebert, Inc., New Rochelle, NY, 171-7
8. Zimmerman K, **Stojadinovic O**, Lebrun E, Tomic-Canic M, Brem H. Cellular and Molecular Mechanism of Chronic Wounds. (2010) In: Translational medicine: from benchtop to bedside to community and back. Adv. Skin Wound Care (Volume I). Sen CK (ed.), Mary Ann Liebert, Inc., New Rochelle, NY, 165-71
9. **Stojadinovic O**, Gordon K., Tomic-Canic M. Wound Dressings. (2010) In: Dermatologic Surgery – Step by Step. Nouri K. (ed.), John Wiley & Sons, Ltd., The Atrium, Southern Gate, Chichester, England, 410-114
10. **Stojadinovic O**, Gordon K., Labrun E., Tomic-Canic M. Stress-Induced Hormones Cortisol and Epinephrine Impair Wound Epithelialization In. (2011): Translational medicine: from benchtop to bedside to community and back. Adv. Skin Wound Care (Volume III).
11. **Stojadinovic O**, Pastar I., Gordon K., Tomic- Canic M. Pathophysiology of Wound Healing in Diabetes (2012). In The Diabetic Foot: Medical and Surgical Management: Third Edition; Humana Press Inc. ( 127-149).

#### **Abstracts:**

Stojadinovic O., Stojanovic J.: Peripheral T-cell Subsets in Patients with Psoriasis. 2nd International Student Congress of Medical Sciences, Izmir, Turkey, 1996

Stojanovic J., Stojadinovic O.: Wilson’s disease – Results of Therapy with ZnSO<sub>4</sub> and D- penicillamine. 2nd International Student Congress of Medical Sciences, Izmir, Turkey, 1996

Stojadinovic, O., Vlahovic M., Stojanovic J., Milojevic M: Polyarteritis nodosa – a Localised Cutaneous Form with Mild Systemic Manifestations. 5th Annual International Ain Shams Student Scientific Society Medical Congress, Cairo, Egypt, 1997

Vlahovic M., Stojadinovic O., Milojevic M.: Dysmorphophobia – Trichotillomania. Amyloidosis. 5th Annual International Ain Shams Student Scientific Society Medical Congress, Cairo, Egypt, 1997

Tomic M., Lee B., DiClerrico J., Vouthounis C., Stojadinovic O: From Gene Chips to Footprints: Molecular Mechanisms of Corticosteroid Action in Epidermis, Annual SID Meeting, LA, USA, 2002

Tomic M., Lee B., DiClerico J., Vouthounis C., Stojadinovic O.: Molecular Mechanisms of Corticosteroid Action in Wound Healing, Wound Healing Symposia, Baltimore, USA, 2002

Stojadinovic O., Lee B., Vouthounis C. and Tomic-Canic M.: Activation of Corticosteroid Regulatory Pathway During Wound Healing, International Investigative Dermatology Meeting, Miami, USA, 2003

Lee B., Vouthounis C., Stojadinovic O., Tomic-Canic M.: Transcriptional signature of wound healing in epidermis of normal human skin, Wound Healing Symposia, Seattle, WA, 2003

Stojadinovic O., Brem H., Vouthounis, C., Lee, B., Tomic-Canic, M: Wound Healing and Corticosteroids: From Gene Chips to Footprints, AAD Meeting, Washington DC, USA, 2004

Stojadinovic O., Vouthounis, C., Lee, B., Stallcup M., Tomic-Canic, M: b- catenin and CARM-1 as a Co-repressor of GR Lead to Inhibition of Keratinocyte Migration, WHS Meeting, Atlanta, GA, 2004

Stojadinovic O., Vouthounis, C., Lee, B., Brem, H., Entero H., Stallcup M., Tomic-Canic, M.: Activation of beta-catenin and c-myc Inhibits Epithelialization in Chronic Wounds, SID Providence, RI, 2004

Stojadinovic O., Tomic-Canic M., Lee B., Vouthounis, C., Brem H.: Molecular Pathogenesis of Chronic Wounds: The Role of b-catenin and c-myc in the inhibition of epithelialization and wound healing, Gordon Conference on Tissue Repair & Regeneration, New London, NH, 2005

Tomic-Canic M., Stojadinovic O., Ehrlich P. Diegleman, R., Golinko, M., Coppock, D.L., Brem H.: Development of Fibroblast Cell Lines From Patients With Venous Ulcers For The NIA Aging Cell Repository.; SAWC & Wound Healing Society Meeting, Tampa, FL, 2007

Stojadinovic O., Tomic-Canic M. Golinko M. Brem H: GMCSF Stimulates Migration of Activated Keratinocytes & Fibroblasts From Patients With Chronic Wound; SAWC & WHS Meeting, Tampa, FL, 2007

Vukelic S., Stojadinovic O., Rabach M., Brem H., Pastar I., LaBruna A., Golinko M., Martinez L., Vouthounis G., and Tomic-Canic M.: Glucocorticoids: De Novo Steroidogenesis in Skin Contributes to Pathogenesis of Chronic Wounds.; SAWC & Wound Healing Society Meeting, Tampa, FL, 2007

Stojadinovic O., Kodra A., Golinko M., Tomic-Canic, M., and Brem H.: A Novel, Non-angiogenic, Mechanism of VEGF: Stimulation of Keratinocyte and Fibroblast Migration.; SAWC & Wound Healing Society Meeting, Tampa, FL, 2007

Pastar I., Stojadinovic O., Vukelic S., Golinko M., Brem H., Tomic-Canic M.: Deregulation of keratinocytes differentiation and activation pathways in chronic wounds. Gordon Conference, New London, USA, 2007

Pastar I., Stojadinovic O., Barrientos S., Krzyzanowska A., Brem H., Vukelic S., Golinko M., Tomic-Canic M.: Biological Characterization of Epidermis of Chronic Wounds. World Union of Wound Healing Societies, Toronto, Canada, 2008

Golinko M., Schiffman J. , Chandrasekaran E., Flattau A., Rennert R., Stojadinovic O., Barrientos S., Tomic-Canic M., Brem H.: Operative Technique for Debridement of Severe Pressure Ulcers. World Union of Wound Healing Societies, Toronto, Canada, 2008



Kodra A., Golinko M., Stojadinovic O., Vukelic S., Ehrlich P., Wang V., Entero H., Tomic-Canic, M., Brem H.: Adenovirus Delivery of VEGF Accelerates Repair of Diabetic Wounds in Mice through multiple biological mechanisms. World Union of Wound Healing Societies, Toronto, Canada, 2008

Tomic-Canic M., Ayello E., Stojadinovic O., Pastar I., Vukelic S., Golinko M., Brem H.: Using gene transcription patterns to guide the extent of operative debridement of chronic wounds. World Union of Wound Healing Societies, Toronto, Canada, 2008

Barrientos S., Stojadinovic O., Golinko M., Chandrasekaran E., Brem H, Tomic-Canic M.: Molecular Markers of Pathogenesis of Chronic Wounds. World Union of Wound Healing Societies, Toronto, Canada, 2008

Vukelic S., Stojadinovic O., Krzyzanowska A., Pastar I., Golinko M., Brem H., Rabach M., Tomic-Canic M.: Epidermal Cortisol Synthesis Inhibits Wound Healing. World Union of Wound Healing Societies, Toronto, Canada, 2008

Pastar, I., Barrientos, S. , Krzyzanowska, A. , Stojadinovic, O., Zimmerman, K , Blumenberg, M. , Vukelic, S., Brem, H. , Tomic-Canic, M. Molecular Mechanism of Attenuation of TGF $\beta$  Signaling Pathway in Chronic Ulcers. SAWC & Wound Healing Society Meeting, Dalas, TX, 2009

Stojadinovic, O., Barrientos, S. , Krzyzanowska, A. , Yan, A. , Pastar, I. , Vukelic, S. , LaBruna, A. , Torzilli, P. , Chen, C. , Milentijevic, D. , Jetter, R. , Brem, H., Tomic-Canic, M. Experimental Model for Pressure Ulcers in Human Skin: The Role of Aging and ECM. SAWC & Wound Healing Society Meeting, Dalas, TX, 2009

Tomic-Canic, M., Stojadinovic, O. Pastar, I. , Krzyzanowska, A. , Vukelic, S. , Maggi, J. , LaBruna, A., Brem, H. Dysregulation of Epidermal Stem Cells and Their Niche in The Non- healing Edge of Chronic Wounds. SAWC & Wound Healing Society Meeting, Dalas, TX, 2009

Stojadinovic, O. , Vukelic, S. , Pastar, I. , Das S., Samuels H. Krzyzanowska, A. , Ragupathi, M. ,Brem, H. , Tomic- Canic M., Inhibitors of Cholesterol Synthesis Statins, Accelerate Wound Healing , SAWC & Wound Healing Society Meeting, Dalas, TX, 2009

Stojadinovic O., Pastar I., Krzyzanowska, A., Vukelic S., Zimmerman K. , Brem H., Tomic-Canic M, Change of Fate of epidermal stem cells contributes to pathogenesis of chronic wounds, 69<sup>th</sup> Annual meeting of the SID, Montreal, Canada, 2009

Zhang G., Chan K., Tomic –Canic M., Stojadinovic O., Le B., Flach CR., Mendelsohn R., Paralled Studies of Cutaneous Wound Healing: IR Imaging, confocal Raman microscopy and Molecular Biology, 69th Annual meeting of the SID, Montreal, Canada, 2009

O.Stojadinovic, J. Escandon, M. Tomic-Canic, J.Jimenez Wound Healing Mediates Protection Of Chemotherapy-Induced Alopecia, SAWC & Wound Healing Society Meeting, Orlando, FL, 2010

J.Gil, I. Pastar, J.Valdes, O. Stojadinovic, E. Lebrun, J. Chen, L. Cancio, L.Plano, M. Tomic-Canic, S. Davis Pseudomonas Aeruginosa military Wound Isolate Inhibits the Growth of MRSA in Porcine Deep Partial Thickness Wound Healing Model, SAWC & Wound Healing Society Meeting, Orlando, FL, 2010

I. Pastar, J Gil, O. Stojadinovic, J. Valdes, E. Lebrun, J Chen, L Plano, M Tomic-Canic, S. Davis Induction of Specific Immune Response by Single and Mixed-species Biofilms Infection In Porcine Partial Thickness Wound Healing Model, 70th Annual meeting of the SID, Atlanta, GA, 2010

E. Lebrun, O. Stojadinovic, S. Vukelic, I. Pastar, S. Resnik, M. Tomic-Canic, Cholesterol synthesis mediates

inhibition of wound healing via anti-inflammatory signals whereas statins reverse it, 70th Annual meeting of the SID, Atlanta, GA, 2010

E. Lebrun, S. Resnik, I. Pastar, O. Stojadinovic, S. Vukelic, J. Gill, J. Valdes, S. Davis, H. Brem, M. Tomic-Canic. Epidermal Injury by Wounding Triggers a Timed Anti-inflammatory Response In Vivo, SAWC & Wound Healing Society Meeting, Orlando, FL, 2010

Pastar I., Stojadinovic O., Lebrun E., Khan AA., Leslie C., Brem H., Tomic-Canic M. MicroRNAs Attenuate Of TGF $\beta$  Signaling In Chronic Venous Ulcers, SAWC & Wound Healing Society Meeting, Orlando, FL, 2010

Roeder R.A., Stojadinovic O., Thaller S.A., Tomic-Canic M., Elliot S. Dose dependent effects of Vitamin D on wound healing of human skin, Association of Women's Surgery Fall Meeting, Washington DC, 2010

Yu, G., Flach, C.R., Tomic-Canic, M., Stojadinovic, O., Mendelsohn, R. IR Imaging of Lipids in Cutaneous Wound Healing and Artificial Human Skin. The 10th New Jersey Symposium on Biomaterials Science: From Materials Design to Scaffolds to Tissue Regeneration, New Brunswick, NJ, 2010

Stojadinovic O., Pastar I., Lebrun I., Gordon K.A., Jackson S, Brem H, Badiavas E., Kirsner R., Tomic-Canic M. Molecular Surgery Approach to Debridement. SAWC & Wound Healing Society Meeting, Dallas, TX, 2011

Stojadinovic O., Pastar I., Gordon K.A., Lebrun E., Jackson S., Kirsner R., Tomic-Canic M. Induction of Specific miRNA Molecules Inhibits Wound healing in Vivo. SAWC & Wound Healing Society Meeting, Dallas, TX, 2011

Stojadinovic O., Vukelic S., Pastar I., Gill J., Valdes J., Davis S.C., Tomic-Canic M. Temporal Regulation Of Anti-inflammatory Response During Wound Healing In Vivo. SAWC & Wound Healing Society Meeting, Dallas, TX, 2011

Roeder R.A., Stojadinovic O., Thaller S.A., Tomic-Canic M., Elliot S. Vitamin D enhances wound healing in human skin, SAWC & Wound Healing Society Meeting, Dallas, TX, 2011

Escandon J., Stojadinovic O., Mauro L.M., Cao T., Tomic-Canic M., Jimenez J.J. Wound-healing milieu protects against chemotherapy induced alopecia. SID Annual Meeting, Phoenix, Arizona, 2011

Gordon K.A., Stojadinovic O., Choudhary S., Lebrun E., Jackson S., Nouri K., Tomic-Canic M. MicroRNA Profiles in Cutaneous Squamous Cell Carcinomas: A Personalized Medicine Approach. SID Annual Meeting, Phoenix, Arizona, 2011

J. Minkiewicz, A. Sawaya J. De Rivero Vaccari, R. W. Keane, M. Tomic-Canic, O. Stojadinovic. Biomechanics and age in pressure ulcers: differential activation of inflammasome. SAWC & Wound Healing Society Meeting, Atlanta, GA, 2012

R. Fernandez, O. Stojadinovic, H. Ramirez, J. Escandon, A. Maderal, R. S. Kirsner, M. Tomic-Canic. ADAM12: A Feasible molecular marker to distinguish healing outcomes in patients with diabetic foot ulcers. SAWC & Wound Healing Society Meeting, Atlanta, GA, 2012

J. N. Landon, O. Stojadinovic, J. Escandon, A. Vivas, J. Tang, A. Maderal, K. A. Gordon, A. Espinosa, R. S. Kirsner, D. J. Margolis, M. Tomic-Canic. Decreased or low presence of c-myc is associated with healing of diabetic foot ulcers. SAWC & Wound Healing Society Meeting, Atlanta, GA, 2012

A Nusbaum, O. Stojadinovic, R.A. Roder, S. Elliot, M. Tomic-Canic. Topical Vitamin D stimulated wound healing closure and decreases MMP activity. SAWC & Wound Healing Society Meeting, Atlanta, GA, 2012

A Nusbaum, I. Pastar, O. Stojadinovic, A.A. Kahn, C, Leslie, H, Brem, R. Kirsner, J Jimenez, M. Tomic- Canic. The role of miRNA21 in inhibition of epithelization and wound closure, SID Anual Meeting, Raleigh, NC, 2012

O. Stojadinovic, J. Minkiewicz, A. Sawaya, J. De Rivero Vaccari, R. W. Keane, M. Tomic-Canic<sup>1</sup> Differential activation of the inflammasome in loaded skin of young and elderly individuals. SID Anual Meeting, Raleigh, NC, 2012

I. Pastar, J. Gil, A. G. Nusbaum, J. Valdes, O. Stojadinovic, M. Tomic-Canic, S. C. Davis; Single and mixed-species biofilms induce distinct immune responses in wound healing. 6<sup>th</sup> ASM Conference on Biofilms, Miami, FL, 2012

N.C. Yin, T.C. Wikramanayake, O. Stojadinovic, L.M. Mauro, M. Tomic-Canic, G. Elgart, L.A .Schachner, J.J. Jimenez ; IL-1 $\beta$ -Mediated Protection from Chemotherapy-Induced Alopecia in the Wound Healing Milieu. 7th World Congress for Hair Research, Edinburg, Scotland 2013

Yin N.C., Stojadinovic O., Lehmann J., Vivas A., Kirsner R.S., Tomic-Canic M. Increased number of Mature langerhans Cells ion the Epidermis of Diabetic Foot Ulcders Corellates With the Healing Outcome. SAWC & Wound Healing Society Meeting, Denver, CO, 2013

Pastar I, Stojadinovic O., Yin N.C., Sawaya A., Ramirez H., Gill J., Davis S.C., Tomic-Canic M. Molecular Mechanism by Which Topical Statins Accelelrate Wound Closure In Vivo. SAWC & Wound Healing Society Meeting, Denver, CO, 2013

Pastar I., Gill J., Yin N.C., Sawaya A., Stojadinovic O., Valdes J., Solis M., Treu R., Tomic-Canic M., Davis S.C. New Topical Formulation of Nitric Oxide Enhances Wound Healing in Porcine Partial Thickness Wounds. SAWC & Wound Healing Society Meeting, Denver, CO, 2013

Patel S., Landon J.N., Stojadinovic O., Margolis D.J., Pastar I., Yin N.C., Kirsner R.S., Tomic-Canic M. Predicitve Biomarkers: Changing the Treatment Paradigm of Diabetic Foot Ulcers. SAWC & Wound Healing Society Meeting, Denver, CO, 2013

Ojeh N., Stojadinovic O., Pastar I., Sawaya A., Yin N.C., Tomic-Canic M. The Effects of Caffeine on Keratinocyte Proliferation, Differentiation, Adhesion and Migration. SAWC & Wound Healing Society Meeting, Denver, CO, 2013

Stojadinovic O., Sawaya A., Vukelic S., Tomic-Canic M. Glucocorticoids Activete Beta- catenin Pathway and Inhibit Wound Closure through novel Non- genomic effects. SAWC & Wound Healing Society Meeting, Denver, CO, 2013

I. Jozic, I. Pastar, O. Stojadinovic, M. Tomic-Canic A Novel Mechanism of Regulation of Keratinocyte Migration by Caveolin-1, SAWC & Wound Healing Society Meeting, Orlando, FL, 2014

Patel S, Stojadinovic O, Ramirez H, , Yin, E, Bollenbach T, Golden P, Giovino K, Sabolinski M, Blumenberg M, Badiavas E , Tomic-Canic M. Early Treatment of Non-healing Venous Ulcers by a Single Bilayered Living Cellular Construct is More Effective Than Later Treatment. SAWC & Wound Healing Society Meeting, Orlando, FL, 2014

Valdes J, Gil J, Stojadinovic O, Treu R, Solis M, Davis S. Effect of a new drug delivery system to reduce the bacterial load of methicillin resistant Staphylococcus aureus (MRSA) infected wounds using a porcine model, SAWC & Wound Healing Society Meeting, Orlando, FL, 2014

O. Stojadinovic, H. Ramirez, S. Patel, T. Bollenbach, P. Golden, K. Giovino, M. Sabolinski, M. Blumenberg, E. Badiavas, M. Tomic-Canic. Genomic Insights Into Molecular Mechanism Of Action Of Bilayered Living Cellular Construct In Non-healing Venous Leg Ulcers. SAWC & Wound Healing Society Meeting, Orlando, FL, 2014

Patel S, I. Pastar, O. Stojadinovic, I. Jozic, N. Yin, A. Sawaya, J. Gil1, S. C. Davis, M. Tomic-Canic. Topical Mevastatin and Simvastatin Induce Angiogenesis and Accelerate Wound Closure In Vivo. SAWC & Wound Healing Society Meeting, Orlando, FL, 2014

H. Ramirez, O. Stojadinovic, T. Bollenbach, P. Golden, K. Giovino, M. Sabolinski, M. Blumenberg, E. Badiavas, M. Tomic-Canic. Transcriptional Analyses of Non-healing Venous Ulcers Treated with a Bilayered Living Cellular Construct Reveals Two Distinct Profiles That Correlate with Clinical Outcomes. SAWC & Wound Healing Society Meeting, Orlando, FL, 2014

O. Stojadinovic, A. Sawaya, R. S. Kirsner, M. Tomic-Canic, Prolonged inflammation correlates with induction of pyroptosis in healing impaired diabetic foot ulcers. SID Anual Meeting, Albuquerque, New Mexico, 2014

I. Jozic, A. M. Rosa, O. Stojadinovic, I. Pastar, M. Tomic Canic. Selective Targeting of Membranous Glucocorticoid Receptor Reveals a Mechanism Responsible for Inhibition of Epithelialization. SAWC & Wound Healing Society Meeting, San Antonio, TX, 2015

L. Liang, O. Stojadinovic, A. Maione, A. Smith, A. Veves, D. Mooney, J. Garlick, M. Tomic-Canic. Micro-RNA Signature of Primary Diabetic Foot Ulcer Fibroblast Reveals Hyperglycemia-related Micro-RNAs That May Contribute to Loss of Migratory Response to Glucose. SAWC & Wound Healing Society Meeting, San Antonio, TX, 2015

O. Stojadinovic, R. McCormack, R. Kirsner, M. Tomic Canic, E. Podack. Perforin-2 in Skin Infection and Wound Healing. SAWC & Wound Healing Society Meeting, San Antonio, TX, 2015

I. Pastar, A. Sawaya, O. Stojadinovic, A. Rosa, J. D. Fox, D. Ajdic, K. L. Baquerizo Nole, R. S. Kirsner, M. Tomic-Canic. Intracellular Infection in Diabetic Foot Ulcers. SAWC & Wound Healing Society Meeting, San Antonio, TX, 2015

H. A. Ramirez, L. Liang, A. M. Rosa, I. Pastar, O. Stojadinovic, T. Zwick, M. Tomic-Canic. Genomic and Micro-RNA Profiling and Comprehensive Morphometric Analyses Reveals Subtle Differences Between Healthy Non-diabetic and Diabetic Foot Skin. SAWC & Wound Healing Society Meeting, San Antonio, TX, 2015

M. Rosa, I. Pastar, I. Jozic, S. Patel, O. Stojadinovic, J. Fox, K. Baquerizo, R. Kirsner, M. Tomic-Canic. Deregulation of Toll-like Receptors in Chronic Wounds is Independent of the Presence of Clinical Signs of Infection. SAWC & Wound Healing Society Meeting, San Antonio, TX, 2015

R. Stone, O. Stojadinovic, A. Sawaya, A. Rosa, E. Badiavas, M. Blumenberg, M. Tomic-Canic. Treatment of Chronic Venous Leg Ulcers With a Bioengineered Response, SAWC & Wound Healing Society Meeting, Atlanta, GA, 2016

O. Stojadinovic, R. C. Stone, A. M. Rosa, H. A. Ramirez, E. Badiavas, M. Blumenberg, M. Tomic-Canic. Treatment with Bilayered Living Cellular Construct Triggers Acute Inflammatory Response and Attenuation of WNT Signaling in Non-healing Venous Leg Ulcers, SAWC & Wound Healing Society Meeting, Atlanta, GA, 2016

L.L. Liang, R. Stone, O. Stojadinovic, A. Maione, A. Smith, A. Veves, D. Mooney, J. Garlick, M. Tomic-Canic. Integrated Expression Profiles of miRNA and mRNA Reveals Impaired Cellular Functions of Primary Fibroblast Derived from Diabetic Foot Ulcers, SAWC & Wound Healing Society Meeting, Atlanta, GA, 2016

H. Ramirez, R. Stone, I. Pastar, O. Stojadinovic, M. Tomic-Canic. Diabetic Foot Ulcers Versus Acute Wounds: Sub-optimal Inflammatory Response Regulated by Mir-15b-5p, SAWC & Wound Healing Society Meeting, Atlanta, GA, 2016

I. Pastar, O. Stojadinovic, R. McCormack, A. Sawaya, D. Ajdic, K. Garzon, V. Chen, R. Kirsner, E. Podack, N. Strbo, M. Tomic-Canic. The Role of Perforin-2 in Acute Wound Healing, SAWC & Wound Healing Society Meeting, Atlanta, GA, 2016

Liang L, Stone RC, Pastar I, Jozic I, Stojadinovic O, Ramirez H, Kashpur O, Gerami, Naini B, Maione A, Smith A, Yanez V, Kirsner RS, Veves A, Garlick J and Tomic-Canic M: iPSC reprogramming rescues epigenetic signature and cellular functions of diabetic foot ulcer fibroblasts to promote healing. Society for Investigative dermatology annual meeting, Portland, OR, 2017

Ramirez HA, Pastar I, Stone RC, Cao Wikramanayake T, Jozic I, Stojadinovic O, Ojeh N, Kirsner R and Tomic-Canic M: Suppression of DNA repair and lack of cellular migration are major contributors of diabetic foot ulcer pathophysiology. Society for Investigative dermatology annual meeting, Portland, OR, 2017

RS Kirsner and M Tomic-Canic Liang L, Stone RC, Jozic I., Stojadinovic O, Pastar I, Ramirez HA, Kashpur O, Gerami-Naini B, Smith A, Kirsner RS, Veves A, Garlick JA and Tomic-Canic M: iPSC reprogramming recovers cellular functions of DFU fibroblasts via modulation of miRNA. Wound Healing Society, SAWC-Spring/WHS Joint Meeting, San Diego, California, USA, 2017

Sawaya AP, Pastar I, Stojadinovic O, Davis SC, Kirsner RS and Tomic-Canic M: Topical mevastatin promotes wound healing and inhibits c-myc via blocking synthesis of glucocorticoid receptor ligands and activation of LncRNA GAS5. Wound Healing Society, SAWC-Spring/WHS Joint Meeting, San Diego, California, USA, 2017

Ramirez HA, Pastar I, Jozic I, Stojadinovic O, Stone RC, Ojeh N, Kirsner R and Tomic-Canic M: Staphylococcus aureus induction of miR15b-5p to diminish DNA repair and de-regulate inflammatory response in diabetic foot ulcers. Wound Healing Society, SAWC-Spring/WHS Joint Meeting, San Diego, California, USA, 2017

Stojadinovic O, Stone R., Pastar I., Nouri K., Tomic-Canic M.: Approach to personalized medicine : Mi-RNAs as potential markers of invasive phenotype in cutaneous squamous cell carcinoma. Florida Society of Dermatologic Surgeons (FSDS) Residents/Fellows Surgical Symposium, Orlando, FL, 2019

O'Neill K, Head C, Padula L, **Stojadinovic O**, Pastar I, Tomic-Canic M, Strbo N. Staphylococcus epidermidis facilitates intracellular pathogen clearance through upregulation of antimicrobial protein perforin-2 (P-2) in the human skin gamma delta T cells; American Association of Immunologists Annual Meeting 2020

## PROFESSIONAL

### PROFESSIONAL MEMBERSHIPS:

Wound Healing Society

2005- 2017

Society for Investigative Dermatology

2010- 2017

American Academy of Dermatology

2018- present

**AWARDS:**

International Federation of Medical Students Fellowship, Department of Dermatology, Ospitale Civile Di Brescia, Brescia, Italy	1998
Scholarship grant award, Medical Military Academy VMA, Belgrade, Yugoslavia	2000
World Congress Education Fund Task Force Award	2003
HUSIK Prize Award, NYU Department of Dermatology	2004
The Brian Jegasothy Research Award, University of Miami, Department of Dermatology & Cutaneous Surgery	2009
Young Investigator Award, Gordon Conference on Tissue Repair and Regeneration	2009
3 <sup>rd</sup> place Oral Abstract Award, 25 <sup>th</sup> Annual Symposium on Advanced Wound Care and Wound Healing Society	2012
1 <sup>st</sup> place Laboratory Research Poster Abstract Award, 29 <sup>th</sup> Annual Symposium on Advanced Wound Care and Wound Healing Society	2016
National Psoriasis Foundation Travel Award	2018
Women's Dermatologic Society Travel Grant	2019
Cosmetic Bootcamp Resident Travel Grant	2019
Frederic Brant, MD Memorial Scholarship Award	2019
American Society for Dermatologic Surgery (ASDS) Annual Meeting Resident Scholarship	2019
National Psoriasis Foundation Travel Award	2019
1 <sup>st</sup> place Oral abstract award, Florida Society of Dermatologic Surgeons (FSDS) Resident/Fellow Symposium	2019
SDEF's Annual Las Vegas Dermatology Seminar & the Annual Psoriasis and Atopic Dermatitis Dermatology Forum Resident Scholarship	2019
Women's Dermatologic Society -L'Oreal Day of Discovery Program Award	2019
ODAC Resident Scholarship	2020

**POST- DOCTORAL FELLOWSHIPS:**

Postdoctoral Research Fellow, research topic: Molecular Biology of Wound Healing, advisor: Marjana Tomic-Canic, NYU School of Medicine, Department of Dermatology, New York, USA	2002-2004
Senior Fellow, research topic: Molecular Biology of Wound Healing,	2005-2006

advisor: Marjana Tomic-Canic, Hospital for Special Surgery, Tissue Engineering, Repair and Regeneration Program New York, USA

### **OTHER PROFESSIONAL ACTIVITIES, COMMUNITY SERVICES & VOLUNTEER ACTIVITIES**

Co-Chair Skin Biology Meeting, New York, NY	2005
Organizer, Skin Biology Meeting, New York, NY	2007
Director, TERR Microscope Core, Hospital for Special Surgery, NY	2006-2009
Wound Healing Society Awards Committee	2010-2015
Wound Healing Society, Abstract Review Subcommittee	2011-2015
ESRF- Eastern- Atlantic Student Research Forum Poster judge	2012-2015
Organizer, Wound Healing Society, Job Fair	2013-2016
Wound Healing Society, Board of Directors	2013-2016
ESRF- Eastern- Atlantic Student Research Forum Oral Talks judge	2015-2016
Volunteer physician at Dermatology Clinic at Camillus house (providing service for homeless and uninsured patients), Miami, FL	2016-present
Volunteer physician for skin cancer screening at Dermatology Station of University of Miami Health Fair, occasional events, Department of Community Services (DOCS), University of Miami, Miami, FL	2016- present
Volunteer resident physician for skin cancer screening, SunSmart 5K Run for Melanoma awareness, Organized by University of Miami, Department of Dermatology, Miami, FL	March 2018 & 2019

### **Manuscript Review Activities:**

Reviewer, Journal of Investigative Dermatology	2009- present
Reviewer, Dose Response	2010- present
Reviewer, Surgical Dermatology	2010- present
Reviewer, Wound Repair and Regeneration	2011- present
Reviewer, European Journal of Cell Biology	2012- present
Reviewer, Journal of American College of Surgeons	2012- present
Reviewer, Experimental Dermatology	2012- present
Reviewer, PlosOne	2013- present

### **Conference Activities:**

Moderator, SAWC & WHS Meeting, Dallas, TX	2009
Moderator, SAWC & WHS Meeting, Atlanta, GA	2012
Moderator, SAWC & WHS Meeting, Denver, CO	2013
Job Fair, Organizer, SAWC & WHS Meeting, Denver, CO	2013
Job Fair, Organizer, SAWC & WHS Meeting, Orlando, FL	2014
Job Fair, Organizer, SAWC & WHS Meeting, San Antonio, TX	2015
Moderator, SAWC & WHS Meeting San Antonio, TX	2015
Job Fair, Organizer, SAWC & WHS Meeting, Atlanta, GA	2016
Moderator, SAWC & WHS Meeting, Atlanta, GA	2016

### **Oral Presentations:**

Serbian Academy of Science Meeting, Belgrade, Serbia	2000
Skin Biology Meeting, New York, NY	2004
Wound Healing Society Meeting, AR	2005
SAWC & WHS Meeting, Tampa, FL	2007
Skin Biology Meeting, New York, NY	2007
SAWC & WHS Meeting, Toronto, Canada	2008
Skin Biology Club Meeting, New York, NY	2008

SAWC & WHS Meeting, Dallas, TX	2009
Gordon Conference on Tissue repair and Regeneration, New London, NH	2009
SAWC- Fall, Washington DC	2009
SAWC & WHS Meeting, Dallas, TX	2011
SAWC & WHS Meeting, Atlanta, GA	2012
SAWC & WHS Meeting, Denver, CO	2013
SAWC & WHS Meeting, Orlando, FL	2014
SAWC & WHS Meeting, San Antonio, TX	2015
3 <sup>rd</sup> ICRS Summit (in collaboration with OARSI), Kyoto, Japan- invited speaker	2016
Celia and Samuel Resnik Resident Research Day, Miami, FL	2018
FSDS Annual Meeting, Orlando, FL	2019

## **TEACHING:**

### **Research Mentorships:**

#### **Undergraduate students:**

Sidney Resnick	2009-2010
Tijana Canic	2011-2012
Ryan Berkun	2015
Chen Lucy	2015
Garzon, Karen	2015

#### **Medical students:**

Katharine Chau	2004
Morgan Rabach	2004-2005
Jenny Pan	2005
Asheesh Harsha	2006-2008
Stephan Barrientos	2007-2008
Sergey Kochine	2008
Elizabet Lebrun	2009-2010
Marilyn Zabelynski	2009-2010
Katrine Gordon	2010-2011
Jeniffer Landon	2011-2012
Aron Nusbaum	2011-2012
Natalie Yin	2012-2013
Shailee Patel	2012-2014
Elizabeth Yim	2013-2014
Rosa Ashley	2014-2015

#### **Postdoctoral students:**

Julia Escandon	2010- 2012
Nkemcho Ojeh	2012-2016
Ivan Jozic	2013-2016
Julia Minkiewicz	2013
Rivka Stone	2014-2016
Liang Liang	2013-2016

#### **Graduate students:**

Brian Lee	2002-2005
Constantinos Vouthounis	2002-2005
Mirjana Liovic- visiting fellow	2003
Agata Krzyzanowska	2007-2009
Shari Jackson	2010-2012
Andrew Sawaya	2011-2013

#### **Supervised and mentored students during their doctoral studies:**



Jonathan Bourne	2008-2009
Darrell Hardin	2011-2012
Horacio Ramirez	2011-2016
Julia Minkiewicz	2010-2012
Andrew Sawaya	2014-2016

**External Dissertation Committees:**

Lesley R. De Armas	2013
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**Research Support**

**Completed Research Support**

2 R01 AR062394-06A1 NIH	07/01/2012-06/30/2017
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Title: iPSC-derived Repair-Responsive Fibroblasts to Heal Diabetic Foot Ulcers  
Overall PI Jonathan Garlick, Tufts University  
Role: Co- investigator

1R01NR013881-01 NIH	07/01/2012-06/30/2016
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Title: Micro-RNA Molecules as Regulators of Diabetic Wound Healing  
Tomic-Canic PI  
Role: Co-Investigator

09MOA002AG Organogenesis	02/09/11-02/08/15
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Title: A prospective, Randomized, Controlled, Single-Site Post Marketing Study to Identify and Characterize the Molecular Mechanisms of Apligraf in Non-healing Wounds of subjects with Venous Leg Ulcers.  
Role: Co-investigator

M1400456 Eksigent Technologies	7/22/13- 7/21-14
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Title: Examining the Effects of a Drug Delivery System Using a Deep Partial Thickness Wounds Infections Porcine Model  
Role:PI

1 RC1 DK086364-02 NIH	09/01/10-8/31/12
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Title: Development of the Cellular Biomarker for Diabetic Foot Ulcers  
Tomic-Canic PI (contact); Brem, Harold MPI  
Role: Co-investigator

W81XWH-11-C-0029 US Army (Novan, Inc.) contract	02/01/11 - 07/31/12
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Title: Time-Released Nitric Oxide for the Treatment of Military Wound Infections  
Davis, Stephen PI; Tomic-Canic Co-PI  
Role: Co-investigator

1R21AR060562 - 01A1 NIH	08/01/11- 08/01/13
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Title: The Role of Statins in Cutaneous Wound Healing  
Tomic-Canic PI  
Role: Co-investigator

2R44AI074098-03 NIH-SBIR (Novan, Inc.)	08/01/10 - 08/01/13
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Title: Effect of Nitric Oxide Dressing on Deep Partial Thickness Wound Healing Using a Porcine Model  
Stasko, N, PI (Novan); Davis, Stephen PI (UM); Tomic-Canic Co-PI  
Role: Co-investigator