

Kristina Dare O'Shaughnessy
CURRICULUM VITAE- PRIVATE

Maxwell Aesthetics
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EDUCATIONAL BACKGROUND

1992-1997	University of Florida B.S.; Honors in Microbiology, Minor in Chemistry. GPA: 3.88
1998-2002	University of Florida College of Medicine Class Rank: 13/107 GPA: 3.81 M.D. May 2002
2002-2009	Integrated Plastic Surgery Residency Northwestern University Feinberg School of Medicine Division of Plastic and Reconstructive Surgery Department of Surgery
2009-2010	Reconstructive Breast and Aesthetic Fellowship Maxwell Aesthetics and Plastic Surgery Center of Nashville, TN Director: Dr. Patrick Maxwell

LICENSURE

State of Illinois	No 036.117535
State of Tennessee	FO1308774

PROFESSIONAL POSITIONS

June 1997- August 1998, May 2000-August 2000

Research Assistant and Lab Technician
Wound Research Laboratory
University of Florida
352.392.3929

Reference: Dr. Nasser Chegini
1600 SW Archer Road
PO Box 100294
Gainesville, FL 32610

Work responsibilities: Collection of samples from OR procedures, centrifugation, RNA

extraction, protein extraction, ELISA, immunohistochemistry, quantitative RT-PCR data analysis and manuscript editing.

October 2010-present

Plastic and Reconstructive Surgeon
Maxwell Aesthetics
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PROFESSIONAL ORGANIZATIONS

1994-present	Golden Key National Honors Society
1996-1997	Alpha Zeta Honor Society
1997-present	Phi Kappa Phi Honor Society
1997-2002	Florida Medical Political Action Committee
1998-2002	American Medical Student Association
1998-present	American Medical Association
2005-present	American Society of Plastic Surgeons Residents and Fellows Forum
2006-present	American Society of Maxillofacial Surgeons

HONORS AND AWARDS

1. Gold Seal Endorsement Scholarship University of Florida (1992-1997)
2. Graduation from the University of Florida with Honors. (1997) President's list- four semesters.
3. Society for Gynecological Investigation Medical Student Stipend Award for Research in Reproduction. (1998)
4. American Society for Reproductive Medicine, Prize paper award from the Society of Reproductive Surgeons. Comparative analysis of matrix metalloproteinase (MMP-1), tissue inhibitor of MMPs (TIMP-1) and MMP-1/TIMP-1 complex expression in intraperitoneal environment and their relation to adhesion development. (1998)

5. Top Student Outstanding Research Award, University of Florida College of Medicine Graduation (May, 2002)
6. Plastic and Reconstructive Surgery Award, University of Florida College of Medicine (2002)
7. Midwestern Association of Plastic Surgeons. First Prize, Top Clinical Research Presentation. "Targeted Reinnervation: A Surgical Technique to Improve Prosthesis Control in Transhumeral Amputees". (2007)
8. Wound Healing Society. Second author on abstract which won the Young Investigator Award. "Silicone Gel Occlusion Suppresses Epidermal Activation in a Murine Cutaneous Wound Model". (2007)
9. Senior Residents Conference. Austin, Texas. "Targeted Reinnervation: A Surgical Technique to Improve Prosthesis Control in Transhumeral Amputees". Best Hand Podium Presentation. (2009)
10. Edelstone-Bendix 1st Place Award, Best Chief Resident Research Presentation. "Occlusion Reduces Hypertrophic Scarring: A Novel Theory Based on Homeostasis of the Epidermal Barrier Layer". (2009)

PEER REVIEWED RESEARCH PUBLICATIONS

1. Chegini N, **Kotseos K**, Zhao Y, Chunfeng M, McLean F, Diamond MP, Holmdahl L, Burns J (2001). The expression of matrix metalloproteinase (MMP-1) and tissue inhibitor of MMP (TIMP-1) in serosal tissue of intraperitoneal organs and adhesions. *Fertil. Steril* April; 75(4): 791-6
2. Holmdahl L, **Kotseos K**, Bergstrom M, Iversson ML, Falk P, and Chegini N (2001). Overproduction of TGF- β is associated with adhesion formation and fibrinolytic impairment. *Surgery* May; 129(5): 626-32
3. Chegini N, **Kotseos K**, Chunfeng M, Bennett B, Williams S, Diamond MP, Holmdahl L, Skinner K (2001). Differential expression of integrin αv and $\beta 3$ in serosal tissue of human intraperitoneal organs and adhesions. *Fertil. Steril.* June; 75:791-796
4. Chegini N, **Kotseos K**, Zhao Y, Bennett B, McLean F, Diamond MP, Holmdahl, Burns J (2001). Differential expression of TGF-beta1 and TGF-beta3 in serosal tissue of human intraperitoneal organs and peritoneal adhesions. *Hum. Reprod.* Jun: 16 (6) 1291-1300

5. Chegini N, **Kotseos K**, Bennett B, Diamond MP, Holmdahl L, Burns J; Peritoneal Healing and Adhesion Multiuniversity Study Group (2001). Matrix metalloproteinase (MMP-1) and tissue inhibitor of MMP in peritoneal fluids and sera and correlation with peritoneal adhesions. *Fertil Steril*. Dec; 76 (6): 1207-11
6. Chegini N, **Kotseos K**, Zhao Y, Ma C, McLean, Diamond MP, Holmdahl L, Burns J; Peritoneal Healing and Adhesion Multiuniversity Study Group (2001). Expression of matrix metalloproteinase (MMP-1) and tissue inhibitor of MMP in serosal tissue of intraperitoneal organs and adhesions. *Fertil Steril*. Dec; 76 (6): 1212-19
7. Chegini N, Zhao Y, **Kotseos K**, Ma C, Bennett B, Diamond MP, Holmdahl C, Skinner K, Peritoneal Healing and Adhesion Multi Univ. Study Group. (2002). Differential expression of matrix metalloproteinase and tissue inhibitor of MMP in serosal tissue of intraperitoneal organs and adhesions. *BJOG*. Sep; 109 (9): 1041-9
8. Mrstik M, **Kotseos K**, Ma C, Chegini N. (2003). Increased expression of interferon-inducible protein-10 during surgically induced peritoneal injury. *Wound Repair Regen*. Mar-April;11(2): 120-6
9. **O'Shaughnessy K**, Dumanian G. (2008). Targeted reinnervation to improve prosthesis control in transhumeral amputees: a report of three cases. *JBJS*. Feb; 90: 393-400.
10. Lin SJ, Patel N, **O'Shaughnessy K**, Fine N. (2008) A new three-dimensional imaging device in facial aesthetic and reconstructive surgery. *Otolaryngol Head Neck Surg*. Aug; 139: (2) 313-315.
11. Lin SJ, Patel N, **O'Shaughnessy K**, Fine NA. (2008) Three-dimensional imaging in measuring facial aesthetic outcomes. *Laryngoscope*. Oct;118 (10): 1733-8
12. Sisco M, Kryger ZB, **O'Shaughnessy KD**, Kim PS, et al. (2008) Antisense inhibition of connective tissue growth factor (CTGF/CCN2) mRNA limits hypertrophic scarring without affecting wound healing in vivo. *Wound Repair Regen*. Sep-Oct; 16(5): 661-73.
13. **O'Shaughnessy KD**, Mustoe TA. (2008) The surgical TRAM delay: Reliability of zone III using a simplified technique under local anesthesia. *Plast Reconstr Surg*. Dec; 122(6): 1627-30.
14. **O'Shaughnessy K**, De La Garza M, Roy N, Mustoe TA. (2009) Homeostasis of the epidermal barrier layer: A theory of how occlusion reduces hypertrophic scarring. *Wound Repair Regen*. Sept-Oct; 17(5): 700-8
15. Dumanian GA, Ko JH, **O'Shaughnessy KD**, Kim PS, Wilson CJ, Kuiken TA. (2009) Targeted reinnervation for transhumeral amputees: current surgical technique and update on results. *Plast Reconstr Surg*. Sept; 124(3): 863-9

16. **O'Shaughnessy KD**, Rawlani V, Hijjawi JB, Dumanian GA. (2010) Oblique pedicled paraumbilical perforator-based flap for reconstruction of complex proximal and mid-forearm defects: a report of two cases. *J Hand Surg Am.* Jul; 35(7): 1105-10
17. Kim PS, Ko J, **O'Shaughnessy KK**, Kuiken TA, Dumanian GA. (2010) Novel model for end-neuroma formation in the amputated rabbit forelimb. *J Brachial Plex Peripher Nerve Inj.* Mar; 18: 5-6

CHAPTERS

1. **O'Shaughnessy K**, Fine N. Delayed-immediate reconstruction with latissimus flaps: endoscopic approach. In: *Surgery of the Breast, Principles and Art.* Vol 1. Philadelphia, PA: Lippincott Williams & Wilkins; 2006, 624-630
2. **O'Shaughnessy K**, Fine N. Breast disease and its implications for reconstruction. In: *Practical Plastic Surgery.* Austin, TX: Landes Bioscience; August, 2007
3. **O'Shaughnessy K**, Fine N. Nipple reconstruction and tattooing. In: *Practical Plastic Surgery.* Austin, TX: Landes Bioscience; August, 2007
4. **O'Shaughnessy K**, Mustoe T. Techniques of wound repair. In: *Current Reconstructive Surgery.* McGraw Hill; November, 2009
5. Fine N., **O'Shaughnessy K**. Latissimus dorsi flap repair of the partial mastectomy defect. In: *Oncoplastic Surgery of the Breast.* London, England: Elsevier; May 2009
6. Fine N., **O'Shaughnessy K**. Immediate autologous reconstruction with latissimus muscle only flaps. In: *Surgery of the Breast, Principles and Art*, 3rd edition. Philadelphia, PA: Lippincott Williams & Wilkins; 2009.

INVITED ARTICLES, REVIEWS, DISCUSSIONS

1. **O'Shaughnessy K**, Fine N. (2006). Issues related to choice of breast reconstruction in early-stage breast cancer. *Current Treatments Options in Oncology.* Mar; vol 7 (2): 129-139
2. Mustoe TA, **O'Shaughnessy K**, Kloeters O. (2006). Chronic wound pathogenesis and current treatment strategies: a unifying hypothesis. *Plastic and Reconstructive Surgery*;117(7 Suppl):35S-41S

3. Mustoe TA, **O'Shaughnessy K.** (2007). Discussion: The inhibitory effects of Minocycline on hypertrophic scarring. *Plastic and Reconstructive Surgery*: 120 (1): 89-90
4. Mustoe TA, **O'Shaughnessy K.** (2007). Discussion: Scarring occurs at a critical depth of skin injury: precise measurement in a graduated dermal scratch in human volunteers. *Plastic and Reconstructive Surgery*: 119 (6): 1733-1734

ABSTRACTS AND ORAL PRESENTATIONS

1. Bergstrom M, Dou Q, **Kotseos K**, Iversson ML, Falk P, Chegini N and Holmdahl L. Overproduction of TGF- β is associated with adhesion formation and fibrinolytic impairment. International Congress of Peritoneal Tissue Repair. The 4th Peritoneum and Peritoneal Access Meeting, Gothenburg Sweden. 1997. (Abstract #14)
2. Chegini N, Zhao Y, **Kotseos K**, Bennett B, McLean F, Diamond MP, Holmdahl L, Nickerson C, Burns J and The Peritoneal Healing and Adhesion Multi University Study (PHAMUS) group/ Comparative analysis of matrix metalloproteinase (MMP-1), tissue inhibitor of MMPs (TIMP-1) and MMP-1/TIMP-1 complex expression in the intraperitoneal environment and their relation to adhesion development. American Society for Reprod Medicine Annual Meeting. 1998. (Abstract #69)
3. Chegini N, Zhao Y, **Kotseos K**, Bennett B, McLean F, Diamond MP, Holmdahl L, Nickerson C, Burns J and The Peritoneal Healing and Adhesion Multi University Study (PHAMUS) group. Matrix metalloproteinase (MMP-1), tissue inhibitor of MMPs (TIMP-1) and MMP-1/TIMP-1 complex expression in the intraperitoneal environment. International Soc laparoscopy. 1998
4. Holmdahl L, Bergstrom M, Dou Q, **Kotseos K**, Iversson ML, Falk P and Chegini N. Overexpression of TGF- β 1 is associated with adhesion formation and fibrinolysis impairment. Eight Annual Meeting of The European Tissue Repair Society. 1998. Wound Rep. & Regen 6; A487
5. Chegini N, **Kotseos K**, Patel A, Ma C and Grant M. The effect of overexpression of plasminogen activator inhibitor (PAI-1) and aging on intraperitoneal adhesion formation in mice. Society for Gynecologic Investigation 46h Annual Meeting. 1999. (Abstract #86)
6. Chegini N, Zhao Y, **Kotseos K**, Bennett B, Diamond MP, Holmdahl L, Skinner and The Peritoneal Healing and Adhesion Multi University Study (PHAMUS) group. The expression of matrix metalloproteinase (MMPs) and tissue inhibitor of MMPs (TIMPs) in various intraperitoneal tissues and their relation to adhesion development. Society for Gynecologic Investigation 46th Annual Meeting. 1999. (Abstract #738)

7. Chegini N, Zhao Y, **Kotseos K**, Bennett B, Diamond MP, Holmdahl L, Skinner and The Peritoneal Healing and Adhesion Multi University Study (PHAMUS) group. Expression of matrix metalloproteinase (MMPs) and tissue inhibitor of MMPs (TIMPs) in various intraperitoneal tissues and their relation to adhesion development. Keystone Symposia, Durango CO. 1999. (Abstract #99)
8. Holmdahl L, Falk P, Iversson ML, Palmgren I, Hedggren M, Chegini N, Diamond MP, Skinner K and the **PHAMUS group**. Plasmin activator and inhibitor in peritoneal environment. International Congress on Peritoneal Repair and Adhesion (PAX) and International mesothelioma Interest Group Combined Meeting. Grantham, England. 1999. (Abstract #6)
9. Chegini N, **Kotseos K**, Zhao Y, Patel A, Bennett B, MP Diamond, L Holmdahl, Nickerson C, K. Skinner and the PHAMUS Group. Matrix metalloproteinase (MMPs) and tissue inhibitor of MMPs (TIMPs) in peritoneal tissues from various sites. International Congress on Peritoneal Repair and Adhesion (PAX) and International mesothelioma Interest Group Combined Meeting. Grantham, England. 1999. (Abstract #12)
10. Svinarich DM, Zaher FM, Gonik B, Holmdahl L, Chegini N, Diamond MP and the **PHAMUS group**. Adhesion development and the expression of endothelial nitric oxide synthesis. Society for Gynecologic Investigation 46th Annual Meeting. 1999. (Abstract #740)
11. Leach RE, Saed G, Zhang W, Holmdahl L, Chegini N, Diamond MP and the **PHAMUS group**. Human mesothelial cell hypoxia induces hypoxia inducible factor-1 β . Society for Gynecologic Investigation 46th Annual Meeting. 1999. (Abstract #741)
12. Saed G, Zhang W, Chegini N, Holmdahl L, Diamond MP and the **PHAMUS group**. Collagen I and III production by human peritoneal mesothelial cells in response to hypoxia and TGF- β 1 treatments. Society for Gynecologic Investigation 46th Annual Meeting. 1999. Abstract #746
13. Saed G, Zhang W, Chegini N, Holmdahl L, Diamond MP and the **PHAMUS group**. Transforming growth factor beta isoform (TGF- β s) production by human peritoneal mesothelial cells in response to hypoxia treatments. Society for Gynecologic Investigation 46th Annual Meeting. 1999. Abstract #747
14. Holmdahl L, Falk P, Iversson ML, Palmgren I, Hedggren M, Chegini N, Diamond MP, Skinner K and the **PHAMUS group**. Plasmin activator and inhibitor in peritoneal environment. International Congress on Peritoneal Repair and Adhesion (PAX) and International mesothelioma Interest Group Combined Meeting. Grantham, England. 1999. (Abstract #6)

15. Chegini N, **K Kotseos**, Y Zhao, F. McLean, B. Bennett, MP Diamond, L Holmdahl, J. Burns. TGF- β 1 AND TGF- β 3 are differentially expressed in serosal surfaces of several human intraperitoneal tissues and peritoneal adhesions. Society for Gynecologic Investigation 47th Annual Meeting. March 2000 (Abstract #51)
16. Chegini N, **Kotseos K**, Gao Y, Patel A, RS. Williams, MP Diamond, L Holmdahl, and K. Skinner and the PHAMUS Group. Differential expression of integrin α v and β 3 in human intraperitoneal tissues and adhesions. Society for Gynecologic Investigation 47th Annual Meeting. March 2000 (Abstract #563)
17. Mrstik M, **Kotseos K**, Chunfeng M and Chegini N. Increased expression of interferon-gamma inducible protein-10 (IP-10) mRNA during surgically-induced peritoneal injury. Society for Gynecologic Investigation 47th Annual Meeting. March 2000. (Abstract # 828)
18. **Kotseos K** and Chegini N. The expression of plasminogen activator inhibitor (PAI-1) during peritoneal wound healing following surgically-induced injury in mice. Society for Gynecologic Investigation 47th Annual Meeting. March 2000 (Abstract #561)
19. **O'Shaughnessy K**, Kuiken T, Dumanian, G. Targeted Reinnervation: A Functioning Neural-Machine Interface for Improved Myoelectric Prosthesis Control. American Society of Plastic Surgeons Annual Meeting. September 2006. Podium Presentation
20. **O'Shaughnessy K**, Roy N, Mustoe T. Occlusion decreases hypertrophic scarring in a rabbit ear model. Wound Healing Society Annual Meeting. May 2007. (Abstract #137)
21. **O'Shaughnessy K**, Kim P, Roy T. Antisense oligonucleotides to TGT β and CTGF decrease hypertrophic scarring in a rabbit ear model. Wound Healing Society Annual Meeting. May 2007. (Abstract #24) Podium Presentation
22. Schierle C, **O'Shaughnessy K**, Xian D, Galiano R, Mustoe T. Silicone gel occlusion suppresses epidermal activation in a murine cutaneous wound model. Wound Healing Society Annual Meeting. May 2007. (Abstract #33) Podium Presentation
23. **O'Shaughnessy K**, Dumanian G, Lipschultz R, Miller L, Stubblefield K, Kuiken T. Targeted Reinnervation: A Surgical Technique to Improve Prosthesis Control in Transhumeral Amputees. The Midwestern Association of Plastic Surgeons Annual Meeting. May 2007. Podium Presentation
24. **O'Shaughnessy K**, Roy N, Mustoe T. Occlusion decreases hypertrophic scarring in a rabbit ear model. The Midwestern Association of Plastic Surgeons Annual Meeting. May 2007. Podium Presentation

25. **O'Shaughnessy K**, Kim P, Roy T. Antisense oligonucleotides to TGT β and CTGF decrease hypertrophic scarring in a rabbit ear model. The Midwestern Association of Plastic Surgeons Annual Meeting. May 2007. Podium Presentation.
26. Kim P, **O'Shaughnessy K**, Kuiken T, Dumanian G. Novel Model for End-Neuronal Formation in the Amputated Rabbit Forelimb. The American Society for Reconstructive Microsurgery Annual Meeting. January 2008. Podium Presentation
27. Kim P, **O'Shaughnessy K**, Kuiken T, Dumanian G. Targeted Reinnervation of the Rabbit Rectus Abdominis: Neural Engineering Interfacing with Plastic Surgery. The American Society for Reconstructive Microsurgery Annual Meeting. January 2008. Podium Presentation.
28. Schierle C, **O'Shaughnessy K**, Ding X, Galiano R, Mustoe T. Molecular analysis of the effects of silicone gel occlusion on epidermal gene expression. 48th Annual Meeting of the Midwestern Association of Plastic Surgeons. May 3-5, 2008. Chicago Illinois.
29. **O'Shaughnessy K**. Mustoe T. The TRAM delay: Reliability of zone III using a simplified technique under local anesthesia. 48th Annual Meeting of the Midwestern Association of Plastic Surgeons. May 3-5, 2008. Chicago, Illinois. Podium Presentation.
30. Schierle C, **O'Shaughnessy K**, Ding X, Skaliter R, Galiano R, Mustoe T. Genomic analysis of paracrine signaling in a murine model of wound healing. Bacterial Genetics, Physiology and Biotechnology: the 2008 Beckwith Conference. May 16-19. Cassis, France.
31. Schierle C, **O'Shaughnessy K**, Ding X, Galiano R, Mustoe T. Microarray and immunohistochemical characterization of silicone gel occlusion in a novel murine cutaneous wound model. Annual Meeting of the American Society of Plastic Surgeons. October 31-November 5, 2008. Chicago, Illinois.
32. Ko J, **O'Shaughnessy K**, Dumanian G. Refinements in targeted reinnervation in transhumeral amputees: Proximal radial nerve anatomy and advancements in operative technique. American Society for Reconstructive Microsurgery Annual Meeting. January 10-13, 2009. Maui, Hawaii.
33. Ko J, **O'Shaughnessy K**, Dumanian G. A quantitative evaluation of gross versus histologic neuroma formation in a rabbit forelimb amputation model. American Society for Peripheral Nerve Annual Meeting. January 9, 2009. Maui, Hawaii.
34. **O'Shaughnessy K**, Dumanian G. Targeted Reinnervation: A surgical technique to improve prosthesis control in transhumeral amputees. Senior Resident's Conference. January 15 2009. Austin, Texas. Podium Presentation.

35. **O'Shaughnessy K**, Dumanian G. A versatile abdominal skin flap design for pedicled coverage of large forearm wounds. Midwestern Association of Plastic Surgery. April 18, 2009. Chicago, IL. Podium Presentation.
36. **O'Shaughnessy K**, De La Garza M, Roy N, Mustoe T. Homeostasis of the epidermal barrier layer: A theory of how occlusion reduces hypertrophic scarring. Illinois Society Meeting. Chief Resident Paper Presentation and Competition. June 2nd, 2009. Chicago, IL. Podium Presentation.
37. **O'Shaughnessy K**, De La Garza M, Roy N. Mustoe T. Occlusion Reduces Hypertrophic Scarring: A Novel Theory Based on Homeostasis of the Epidermal Barrier Layer. Edelstone-Bendix Research Day. June 9, 2009. Chicago, IL. Podium Presentation.