

**DUKE UNIVERSITY MEDICAL CENTER**

***CURRICULUM VITAE***

**For Permanent Record  
and the  
Appointments, Promotions and Tenure Committee**

**Date Prepared:** 03/2011

**Name (complete with degrees):** Detlev Erdmann MD, PhD, MHSc

**Primary academic appointment:** Division of Plastic, Reconstructive  
Maxillofacial and Oral Surgery

**Primary academic department:** Department of Surgery  
Tenure track 1 (clinical)

**Secondary appointments (outside Duke):** Professor, Ruprecht-Karls University,  
Heidelberg (Germany)

**Present academic rank and title:** Associate Professor with tenure

**Date/rank first Duke faculty appointment:** June 01, 2000; Clinical Associate

**Medical Licensure:** North Carolina License # 2000-00341  
2004-00852

**Date of License:** June 05, 2000 / July 23, 2004

**Specialty certifications and dates:** General Surgery (Germany); Feb. 1998  
Plastic Surgery (Germany); May 2000  
Hand Surgery (Germany); July 2003

**Citizen of:** USA

**Visa status:** N/A

<b>Education:</b>	<b>Institution</b>	<b>Date</b>	<b>Degree</b>
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High School/College	Goethe Gymnasium Frankfurt (Germany)	1982	German Abitur
Graduate School	University of Berlin (Germany), preclinical	1986	
	University of Munich (Germany), clinical	1990	MD

**Profession-related education:**

Education/Courses	Institution	Date	Degree
	University of Heidelberg (Germany)	2003	PhD
C RTP	Duke University	2007	MHSc

Doctoral Thesis: Influence of Ethanol on the Interferon-Gamma and Interleukin-2-production of human peripheral lymphocytes, accepted for publication January 1992, University of Munich (Technische Universität)

Habilitation (PhD equivalent): *Expression of Vascular Endothelial Growth Factor (VEGF) in myocutaneous flaps*, accepted for publication December 2003 by the University of Heidelberg (Germany); faculty appointment (‘Privatdozent’), January 2004; appointment as full Professor, September 2006

Master of Health Sciences in Clinical Research (MHSc) Thesis Project: *A retrospective analysis of facial fracture etiologies*. Graduation May 2007

**Scholarly societies (Alpha Omega Alpha, Sigma Xi, Phi Beta Kappa; etc.):** N/A

**Professional training and academic career (chronologically, commencing with first postdoctoral position):**

Institution	Position/Title	Dates
Department of Surgery Städtische Kliniken Offenbach am Main, Goethe-University of Frankfurt (Germany)	Internship (AIP)	08/1990 - 01/1992
Department of Surgery Städtische Kliniken Offenbach am Main, Goethe-University of Frankfurt (Germany)	Resident	06/1992 - 12/1995, and 03 - 08/1996
Institute for Plastic and Reconstructive Surgery Southern Illinois University	Research Fellow	07/1994 - 06/1995

Springfield, Illinois

Dep. Hand-, Plastic and Reconstructive Surgery -Burn Center- BG Unfallklinik Ludwigshafen Ruprecht-Karls-University Heidelberg (Germany)	Resident	01 - 02/1996, and 09/1996 - 05/2000
Dep. Orthopedic Surgery/Traumatology BG Unfallklinik Ludwigshafen Ruprecht-Karls-University Heidelberg (Germany)	Resident	01 - 07/1997
Division of Plastic, Reconstructive, Maxillofacial and Oral Surgery Duke University Medical Center	Clinical Associate	06/2000 – 11/2001
Dep. Hand-, Plastic and Reconstructive Surgery -Burn Center- BG Unfallklinik Ludwigshafen Ruprecht-Karls-University Heidelberg (Germany)	Attending	12/2001 – 07/2003
Division of Plastic, Reconstructive, Maxillofacial and Oral Surgery Duke University Medical Center	Assistant Professor	08/2003 – 02/2008
Ruprecht-Karls University, Heidelberg (Germany)	Professor	09/2006 – present
Division of Plastic, Reconstructive, Maxillofacial and Oral Surgery Duke University Medical Center	Associate Professor	03/2008 – 09/2010
Division of Plastic, Reconstructive, Maxillofacial and Oral Surgery Duke University Medical Center	Associate Professor with tenure	since 09/2010

## Publications:

### 1. Refereed journals (PubMed), original articles, reviews, case reports, letters:

1. Brown R.E., **Erdmann D.**: Complications of 50 consecutive wrist fusions by a single surgeon. *Ann Plast Surg* 35:46-53, 1995
2. **Erdmann D.**, Roth A.C., Hussmann J., Lyons S.F., Kucan J.O., Russell R.C.: Skin allograft rejection and hyperbaric oxygen treatment in immune-histoincompatible mice. *Undersea Hyperb Med* 22:395-399, 1995
3. Brown R.E., **Erdmann D.**, Lyons S.F., Suchy H.: The use of cultured Schwann cells in nerve repair in a rabbit hind limb model. *J Reconstr Microsurg* 12:149-152, 1996
4. Hussmann J., Hebebrand D., **Erdmann D.**, Roth A., Kucan J.O., Moticka J.: Lymphocyte subpopulations in spleen and blood after early wound debridement and acute/chronic treatment with hyperbaric oxygen [in German]. *Handchir Mikrochir Plast Chir* 28:103-107, 1996
5. Haws M.J., **Erdmann D.**, Brown R.E.: Above-elbow replantation during pregnancy. *Ann Plast Surg* 36:93-96, 1996 (case report)
6. **Erdmann D.**, Brown R.E., Rumbolo P.M.: Congenital neuroepithelioma in an infant hand. *Br J Hand Surg* 21:117-121, 1996 (case report)
7. **Erdmann D.**, Hussmann J., Kucan J.O.: Treatment of a severe alkali burn. *Burns* 22:141-146, 1996 (Case report)
8. **Erdmann D.**, Roth A.C., Hussmann J., Lyons S.F., Mody N.J., Brown R.E., Kucan J.O.: Hyperbaric oxygen and Cyclosporine as a combined treatment regimen to prevent skin allograft rejection in immune-histoincompatible mice. *Ann Plast Surg* 36:304-308, 1996

9. Zamboni W.A., Mazolewski P.J., **Erdmann D.**, Bergman B.A., Hussmann J., Cooper M.D., Smoot E.C., Russell R.C.: Evaluation of Penicillin and Hyperbaric oxygen in the treatment of streptococcal myositis. *Ann Plast Surg* 39:131-136, 1997
10. **Erdmann D.**, Cedidi C., Schepler H., Germann G.: Plastic surgery concepts for coverage of extremity defects within the scope of general surgery [in German]. *Chirurg* 68:454-460, 1997
11. Germann G., **Erdmann D.**, Sauerbier M., Bickert B.: Plastic surgery defect coverage in the area of the pelvis and trunk [in German]. *Chirurg* 68:469-476, 1997
12. **Erdmann D.**, Schierle H., Sauerbier M., Germann G., Lemperle G.: Reconstruction of severe facial defects due to noma [in German]. *Chirurg* 69:1257-1262, 1998
13. **Erdmann D.**, Küntscher M., Petravic A., Sauerbier M., Menke H., Schirren J., Dienemann H., Germann G.: Plastic surgery coverage of osteocutaneous defects of the sternum area with the vertical and transversal rectus abdominis muscle (VRAM/TRAM) flap [in German]. *Chirurg* 71: 1156-1160, 2000
14. Sauerbier M., **Erdmann D.**, Brüner S., Pelzer M., Menke H., Germann G.: Covering soft tissue defects and unstable scars over the Achilles tendon by free microsurgical flap-plasty [in German]. *Chirurg* 71:1161-1166, 2000
15. Menke H., Baumeister S., **Erdmann D.**, Sauerbier M., Germann G.: Therapeutic options in treatment of heel defects. Presentation of an algorithm for therapeutic strategy [in German]. *Chirurg* 71:311-318, 2000
16. Sauerbier M., Tränkle M., **Erdmann D.**, Menke H., Germann G.: Functional outcome with scaphotrapeziotrapezoid arthrodesis in the treatment of Kienböck's disease stage III. *Ann Plast Surg* 44:618-625, 2000
17. **Erdmann D.**, Lee B., Roberts C.D., Levin L.S.: Management of lawnmower injuries to the lower extremity in children and adolescents. *Ann Plast Surg* 45:595-600, 2000
18. Haws M.J., **Erdmann D.**, Bayati S., Brown R.E., Russell R.C.: Basic Fibroblast Growth Factor induced angiogenesis and prefabricated flap survival. *J Reconstr Microsurg* 17:39-42, 2001
19. Sauerbier M., **Erdmann D.**, Bickert B., Wittemann M., Germann G.: Defect coverage of the hand and forearm with a free scapula-parascapula flap [in German]. *Handchir Mikrochir Plast Chir* 33:20-25, 2001
20. Küntscher M.V., **Erdmann D.**, Homann H.-H., Steinau H.U., Levin L.S., Germann G.: The concept of fillet flaps: classification, indications, and analysis of their clinical value. *Plast Reconstr Surg* 108:885-896, 2001
21. **Erdmann D.**, Drye C., Heller L., Wong M.S., Levin L.S.: Abdominal wall defect and enterocutaneous fistula treatment with the Vacuum-assisted closure (V.A.C.) system. *Plast Reconstr Surg* 108:2066-2068, 2001
22. Menke H., Baumeister S., Buchhold C., **Erdmann D.**, Sauerbier M., Germann G.: Therapeutic strategies for covering traumatic defects of the heel area [in German]. *Unfallchirurg* 104:1145-1149, 2001
23. Levin L.S., **Erdmann D.**: Primary and secondary microvascular reconstruction of the upper extremity. *Hand Clinics N Am* 17:447-455, 2001
24. Küntscher M.V., Blome-Eberwein S., Pelzer M., **Erdmann D.**, Germann G.: Transcardiopulmonary vs pulmonary arterial thermodilution methods for hemodynamic monitoring of burned patients. *J Burn Care Rehab* 23:21-26, 2002
25. Schierle H.P., **Erdmann D.**, Lemperle G.: The Buruli type ulcer. *Plast Reconstr Surg* 109:2608, 2002 (Letter)
26. **Erdmann D.**, Sundin, B.M., Yasui K., Wong M.S., Levin L.S.: Microsurgical free flap transfer to amputation sites: indications and results. *Ann Plast Surg*, 48:167-172, 2002
27. **Erdmann D.**, Sundin B.M., Moquin K.J., Young H., Georgiade G.S.: Delay in unipedicled TRAM flap reconstruction of the breast: a review of 76 consecutive cases. *Plast Reconstr Surg* 110:762-767, 2002
28. Küntscher M.V., Juran S., Menke H., Gebhard M.M., **Erdmann D.**, Germann G.: The role of pre-ischaemic application of the nitric oxide donor spermine/nitric oxide complex in enhancing flap survival in a rat model. *Br J Plast Surg* 55: 430-433, 2002
29. Heitmann C., **Erdmann D.**, Levin L.S.: Treatment of segmental defects of the humerus with use of the osteoseptocutaneous fibula transplant. *JBS* 84-A:2216-1123, 2002
30. **Erdmann D.**, Bergquist G.E.O., Levin L.S.: Ipsilateral reversed free fibula transfer for reconstruction of a segmental femoral shaft defect. *Br J Plast Surg* 55:675-677, 2002
31. **Erdmann D.**, Sweis R., Wong M.S., Eyley C.E., Olbrich K.C., Levin L.S., Germann G., Klitzman B.: Current perspectives of orthogonal polarization spectral imaging in plastic surgery [in German]. *Chirurg* 73:827-832, 2002
32. Giessler G.A., **Erdmann D.**, Germann G.: Plastic surgery coverage of skin defects [in German]. *Chirurg* 73:290-304, 2002
33. Küntscher M. V., **Erdmann D.**, Strametz S., Sauerbier M., Germann G., Levin L. S.: The use of fillet flaps in upper extremity and shoulder reconstruction [in German]. *Chirurg* 73:1019-1024, 2002
34. Schuh T.E., **Erdmann D.**, Levin L.S.: Symmetrical peripheral gangrene of unknown etiology [in German]. *Chirurg* 73:638-641, 2002 (Case report)

35. **Erdmann D.**, Sweis R., Wong M.S., Niklason L.E., du Laney T.V., Levin L.S., Klitzman B., Olbrich K.C.: Vascular endothelial growth factor expression in pig latissimus dorsi myocutaneous flaps after ischemia reperfusion injury. *Plast Reconstr Surg* 111:775-780, 2003
36. Baumeister S., Spierer R., **Erdmann D.**, Sweis R., Levin L.S., Germann G.: A realistic complication analysis of 70 sural artery flaps in a multimorbid patient group. *Plast Reconstr Surg* 112:129-142, 2003
37. Küntschler M. V., **Erdmann D.**, Levin L.S., Germann G.: Role of a sensory innervated plantar fillet free flap for reconstruction of sacral pressure sores in paraplegic patients. Last resort for reconstruction of sacral pressure sores in paraplegics [in German]. *Chirurg* 74:734-738, 2003
38. Küntschler M. V., **Erdmann D.**, Boltze W.-H., Germann G.: The use of a free jejunal graft for esophageal reconstruction following perforation after cervical spine surgery. *Spinal Cord* 41:543-548, 2003
39. Wong M.S., **Erdmann D.**, Sweis R., Pöllmann C., Farrar M., Georgiade G.S., Levin L.S., Olbich K.C., Klitzman B.: Basic-fibroblast growth factor (b-FGF) expression following surgical delay of rat transverse rectus abdominus myocutaneous flaps. *Plast Reconstr Surg* 113:2030-2036, 2004
40. **Erdmann D.**, Sweis R., Heitmann C., Yasui K., Olbrich K.D., Levin L.S., Sharkawy A.A., Klitzman B.: Side-to-side anastomosis using magnets. *J Vasc Surg* 40:505-511, 2004
41. **Erdmann D.**, Klitzman B.: Scheufler O., et al: Investigation of TRAM flap oxygenation and perfusion by near-infrared reflection spectroscopy and color-coded duplex sonography. *Plast Reconstr Surg* 113:153-155, 2004 (Discussion)
42. **Erdmann D.**, Phippen A.M., Moquin K.J., Sweis R., Niklason L.E., Levin L.S., Olbrich K.C., Klitzman B.: Immunohistochemical identification of vascular endothelial growth factor in pig latissimus dorsi myocutaneous flaps following ischemia-reperfusion injury. *Ann Plast Surg* 53:398-403, 2004
43. **Erdmann D.**, Pu C.-M., Levin L.S.: Nonunion of the clavicle: a rare indication for vascularized free fibula transfer. *Plast Reconstr Surg* 114:1859-1863, 2004
44. Deb R., Giessler G.A., Przybilski M., **Erdmann D.**, Germann G.: Secondary plastic surgical reconstruction in severely burned patients [in German]. *Chirurg* 75:588-98, 2004
45. Przybilski M., Deb R., **Erdmann D.**, Germann G.: New developments in skin replacement materials [in German]. *Chirurg* 75:579-87 2004
46. **Erdmann D.**, Giessler G.A., Bergquist G.E.O., Bruno W., Young H., Heitmann C., Levin L.S.: The free fibula transfer: Analysis of a series of 76 consecutive microsurgical procedures and review of the literature [in German]. *Chirurg* 75:799-809, 2004
47. Wang H.T., **Erdmann D.**, Fletcher J.W., Levin L.S.: Anterolateral thigh flap technique in hand and upper extremity reconstruction. *Tech Hand Upper Extrem Surg* 8: 257-261, 2004
48. Scheufler, O., Andresen, R., Radmer, S., **Erdmann, D.**, Exner, K., Germann, G. Hook of hamate fractures: critical evaluation of different therapeutic procedures. *Plast Reconstr Surg* 115:488-497, 2005
49. **Erdmann D.**, Gottlieb N., Humphrey J.S., Le T.C., Bruno W., Levin L.S.: Sural flap delay procedure – a preliminary report. *Ann Plast Surg* 54:562-565, 2005
50. Scheufler O., Radmer S., **Erdmann D.**, Germann G., Pierer G., Andresen R.: Therapeutic alternatives in nonunion of hamate hook fractures: personal experience in 8 patients and review of literature. *Ann Plast Surg* 55:149-154, 2005
51. Wang H.T., Fletcher J.W., **Erdmann D.**, Levin L.S.: Use of the anterolateral thigh free flap for upper extremity reconstruction. *J Hand Surg [Am]* 30:859-864, 2005
52. Wang H.T., Hartzell T., Olbrich K.C., **Erdmann D.**, Georgiade G.S.: Delay of TRAM flap reconstruction improves flap reliability in the obese patient. *Plast Reconstr Surg* 116:613-618, 2005
53. Schäfer T., Kukies S., Stokes T.H., Levin L.S., Donatucci C.F., **Erdmann D.**: The prepuce as a donor site for reconstruction of an extravasation injury to the foot in a newborn. *Ann Plast Surg* 54:664-666, 2005 (Case report)
54. **Erdmann D.**, Kovach S.J., Lawson R.D., Levin L.S.: Ipsilateral reversed free fibula transfer for reconstruction for femoral shaft reconstruction: modification of a previously reported technique. *Ann Plast Surg* 56:216-219, 2006
55. Ravin A.G., Gottlieb N.B., Wang H.T., Meade R.A., Humphrey J.S., Schwarz K.W., Levin L.S., Tyler D.S., **Erdmann D.**: Impact of the Veterans Affairs Medical System on plastic surgery residency training. *Plast Reconstr Surg* 117:656-660, 2006
56. Stokes T.H., Follmar K.E., Silverstein A.D., Weizer A.Z., Donatucci C., Anderson E.E., **Erdmann D.**: Use of negative-pressure dressings and split-thickness skin grafts following penile shaft reduction and reduction scrotoplasty in the management of penoscrotal elephantiasis. *Ann Plast Surg* 56:649-653, 2006
57. **Erdmann D.**, Meade R.A., Lins R.E., McCann R.L., Richardson W.J., Levin L.S.: Use of the microvascular free fibula transfer as a salvage reconstruction for failed anterior spine surgery due to chronic osteomyelitis. *Plast Reconstr Surg* 117:2438-2445, 2006
58. Scheufler O., Farhadi J., Kovach S.J., Kukies S., Pierer G., Levin L.S., **Erdmann D.**: Anatomical basis and clinical application of the infragluteal perforator flap. *Plast Reconstr Surg* 118:1389-1400, 2006
59. Baccarani A., Follmar K.E., Baumeister S.P., Marcus J.R., **Erdmann D.**, Levin L.S.: Technical and anatomical considerations of face harvest in face transplantation. *Ann Plast Surg* 57:483-488, 2006

60. Follmar K.E., DeCroos F.C., Prichard H.L., Wang H.T., **Erdmann D.**, Olbrich K.C.: Effects of glutamine, glucose, and oxygen concentration on the metabolism and proliferation of rabbit adipose-derived stem cells (ASCs). *Tissue Eng* 12:3525-3533, 2006
61. Follmar K.E., Gunn L.A., Wong M.S., Lettieri S.C., Levin L.S., **Erdmann D.**: Management of enterocutaneous fistulas using negative-pressure dressings. *Ann Plast Surg* 57:621-625, 2006
62. **Erdmann D.**, Levin L.S.: Kneser U., Bach A.D., Polykandriotis E., Kopp J., Horch R.E.: Delayed reverse sural flap for staged reconstruction of the foot and lower leg. *Plast Reconstr Surg* 118:571-572, 2006 (Letter)
63. Baccarani A., Follmar K.E., Marcus J.R., Levin L.S., **Erdmann D.**: Fascio-subcutaneous extension of a free radial forearm flap for frontonasal duct obliteration: a case report. *J Craniofac Surg* 17:1163-1166, 2006 (Case report)
64. Baumeister S., Levin L.S., **Erdmann D.**: Literature and own strategies concerning soft-tissue reconstruction and exposed osteosynthetic hardware [in German]. *Chirurg* 77:616-621, 2006
65. Scheufler O., Radmer S., **Erdmann D.**, Exner K., Germann G., Andresen R.: Current treatment of hamate hook fractures [in German]. *Handchir Mikrochir Plast Chir* 38:273-282, 2006
66. Baccarani A., Follmar K.E., Das R.R., Mukundan S., Marcus J.R., Levin L., **Erdmann D.**: A pilot study in sub-SMAS face transplantation: assessing outcomes and defining donor compatibility in a cadaver model. *Plast Reconstr Surg* 119:121-129, 2007
67. Wang H.T., **Erdmann D.**, Olbrich K.C., Friedman A.H., Levin L.S., Zenn M.R.: Free flap reconstruction of the scalp and calvarium and implications of co-morbid conditions: a review of 22 patients. *Plast Reconstr Surg* 119:665-672, 2007
68. Baumeister S., Follmar K.E., **Erdmann D.**, Baccarani A., Levin L.S.: Tissue expansion of free and pedicled flaps after transfer: possibilities and indications. *J Reconstr Microsurg* 23:63-68, 2007
69. Follmar K.E., Baccarani A., Baumeister S.P., Levin L.S., **Erdmann D.**: The distally-based sural flap (CME article). *Plast Reconstr Surg* 119: 138e-148e, 2007
70. Follmar K.E., Prichard H.L., DeCroos F.C., Wang H.T., Levin L.S., Klitzman B., Olbrich K.C., **Erdmann D.**: Combined bone allograft and adipose-derived stem cell (ASC) autograft in a rabbit model. *Ann Plast Surg* 58:561-565, 2007
71. Heitmann C., Khan F.N., **Erdmann D.**, Olbrich K.D., Sharkawy A.A., Klitzman B.: Vein graft anastomoses using magnets. *J Plast Reconstr Aesthet Surg (former Br J Plast Surg)* 60:1296-1301, 2007
72. Follmar K.E., Das R.R., Baccarani A., **Erdmann D.**, Marcus J.R., Mukundan S.: A clinically applicable reporting system for the diagnosis of facial fractures. *Int J Oral Maxillofac Surg* 36:593-600, 2007
73. Levinson H., Follmar K.E., Baccarani A., Baumeister S.P., Levin L.S., **Erdmann D.**: The distal sural flap. *J Foot Ankle Surg* 6:118-122, 2007
74. Baccarani A., Yasui K., Olbrich K.C., El-Sabbagh A., Kovach S., Follmar K.E., **Erdmann D.**, Levin L.S., Stampler J.S., Klitzman B., Zenn M.R.: Efficacy of ethyl nitrite in reversing surgical vasospasm. *J Reconstr Microsurg* 23:255-260, 2007
75. Baccarani A., Follmar K.E., DeSantis G., Adani R., Pinelli M., Innocenti M., Baumeister S., von Gregory H., Germann G., **Erdmann D.**, Levin L.S.: Free vascularized tissue transfer to preserve upper extremity amputation levels. *Plast Reconstr Surg* 120:971-981, 2007
76. **Erdmann D.**, Wong M.S., Lettieri S.C., Levin L.S., Gunn L.A.: Use of the vacuum-assisted closure system in the treatment of enterocutaneous fistulas: a follow-up. *Plast Reconstr Surg* 120:1092, 2007
77. Follmar K.E., DeBruijn M., Baccarani A., Bruno A.D., Mukundan S., **Erdmann D.**, Marcus J.R.: Concomitant injuries in patients with panfacial fractures. *J Trauma* 63:831-835, 2007
78. Scheufler O., **Erdmann D.**: Current concepts and trends in postbariatric plastic surgery [in German]. *Chirurg* 78:316-325, 2007
79. Nicolay N.H., Bruno A.D., Follmar K.E., Stokes T.H., Gonyon D.L., Marcus J.R., **Erdmann D.**: Near-total ear amputation – anatomical bases and management [in German]. *Chirurg* 78:835-839, 2007
80. **Erdmann D.**, Price K., Reed S., Follmar K.E., Levin L.S., Marcus J.R.: A financial analysis of operative facial fracture management. *Plast Reconstr Surg* 121:1323-1327, 2008
81. **Erdmann D.**, Follmar K.E., DeBruijn M., Bruno A.D., Jung S.-H., Edelman D., Mukundan S., Marcus J.R.: A retrospective analysis of facial fracture etiologies. *Ann Plast Surg* 60:398-403, 2008
82. Meßmer C., Baccarani A., Follmar K.E., Mukundan S., Levin L.S., Marcus J.R., **Erdmann D.**: Facial allograft transplantation: fiction or reality? Surgical techniques in a fresh human cadaver model [in German]. *Chirurg* 79:340-345, 2008
83. Zang Y.Z., Yang J., Wang D., Ong Y.S., Follmar K.E., Zhang Y **Erdmann D.**, Zenn M.R., Qian Y., Levin L.S.: Extended applications of vascularized preauricular and helical rim flaps in reconstruction of nasal defects. *Plast Reconstr Surg* 121:1589-1597, 2008
84. Follmar K.E., Baccarani A., Das R.R., Mukundan S., Levin L.S., **Erdmann D.**, Marcus J.R.: Osteocutaneous face transplantation. *J Plast Reconstr Aesthet Surg (former Br J Plast Surg)* 61:518-524, 2008

85. Mischen B.T., Follmar K.E., Moyer K.E., Buehrer B., Olbrich K.C., Levin L.S., Klitzman B., **Erdmann D.**: Metabolic and functional characterization of human adipose-derived stem cells (ASCs) in tissue engineering. *Plast Reconstr Surg* 122:725-738, 2008
86. Wong M.S., **Erdmann D.**, Levin L.S.: Split turnover pectoralis muscle flap for the treatment of sternal osteomyelitis. *Plast Reconstr Surg* 121:1063-1064, 2008 (Letter)
87. **Erdmann D.**: Pacella S.J.: The financial impact of facial trauma care: examining the whole picture [reply]. *Plast Reconstr Surg* 122:1586-1587, 2008 (Letter)
88. Baumeister S., Follmar K.E., Zenn M.R., **Erdmann D.**, Levin L.S.: Strategy for 'redo' free flaps after failure of a first flap. *Plast Reconstr Surg* 122:962-971, 2008
89. **Erdmann D.**: Friedrich J.B., Petrov R.V., Askay S.A., Clark M.P., Foy H.M., Isik F.F., Dellinger E.P., Klein M.B., Engrav L.H.: Resection of panniculus morbidus: a salvage procedure with a steep learning curve. *Plast Reconstr Surg* 122:1290, 2008 (Letter)
90. **Erdmann D.**, Bruno A.D., Follmar K.E., Stokes T.H., Gonyon D.L., Marcus J.R.: The helical arcade: anatomical basis for survival in near-total ear avulsion. *J Craniofac Surg* 20:245-248, 2009
91. Zhang Y.X., Wang D., Zhang Y., Ong Y.S., Follmar K.E., Tahernia A.H., Pang F.K., **Erdmann D.**, Qian Y., Levin L.S.: Triple chimeric flap based on anterior tibial vessels for reconstruction of severe traumatic injuries of the hand with thumb loss. *Plast Reconstr Surg* 123:268-275, 2009
92. Tahernia A., **Erdmann D.**, Follmar K.E., Mukundan S., Grimes J., Marcus J.R.: Clinical implications of orbital volume change in the management of isolated and zygomaticomaxillary complex associated orbital floor injuries. *Plast Reconstr Surg* 123:968-975, 2009
93. Hollenbeck S.T., **Erdmann D.**, Levin L.S.: Current indications for hand and face transplantation. *Transplant Proc* 41:495-498, 2009
94. Pradka S.P., Ong Y.S., Zhang Y., Davis S.J., Baccarani A., Messmer C., Fields T.A., **Erdmann D.**, Klitzman B., Levin L.S.: Increased signs of acute rejection with ischemic time in a rat musculocutaneous allotransplant model. *Transplant Proc* 41:531-536, 2009
95. Viol A., Pradka S.P., Baumeister S.P., Wang D., Moyer K.E., Zura R.D., Olson S.A., Zenn M.R., Levin L.S., **Erdmann D.**: Soft tissue defects and exposed hardware: indications for soft tissue reconstruction and hardware preservation – a review. *Plast Reconstr Surg* 123:1256-1263, 2009
96. Hollenbeck S.T., Woo S., Ong S., Fitch R.D., **Erdmann D.**, Levin L.S.: The combined use of the Ilizarov method and microsurgical techniques for limb salvage. *Ann Plast Surg* 62:486-491, 2009
97. Pestana I., Coan B., **Erdmann D.**, Marcus J., Levin L.S., Zenn M.R.: Early experience with fluorescent angiography in free tissue transfer reconstruction. *Plast Reconstr Surg* 123:1239-1244, 2009
98. **Erdmann D.**, Pradka S.P., Similie E., Marcus J.R., Moyer K.E., Shelburne J.D., Tyler D.S., Levin L.S.: Plastic surgery within the Veterans Affairs Medical System: proposed modified indications for operative procedures. *Ann Plast Surg* 63:105-110, 2009
99. Pestana I.A., Greenfield J.M., Walsh M., Donatucci C.F., **Erdmann D.**: Management of "buried" penis in adulthood – an overview. *Plast Reconstr Surg* 124:1186-1195, 2009
100. Harenberg P.S., Viol A.W., D'Amico T.A., Levin L.S., **Erdmann D.**: Intra-/extrathoracic free flap for thoracic wall defect reconstruction and dead space obliteration after excision of a desmoid tumor of the thoracic wall [in German]. *Chirurg* 80:641-644, 2009 (Case report)
101. **Erdmann D.**: Schonauer F., Moio M., La Padula S., Molea G.: Use of preoperative doppler for distally based sural flap planning. *Plast Reconstr Surg* 123:1640, 2009 (Letter)
102. **Erdmann D.**: Leahy P.J., Shorten S.M., Lawrence W.T.: Maximizing the aesthetic result in panniculectomy after massive weight loss. *Plast Reconstr Surg* 123:1886, 2009 (Letter)
103. Harenberg P.S., **Erdmann D.**: Academic plastic surgery – a comparison of residency models in Germany and the USA [in German] *Handchir Mikrochir Plast Chir* 41:364, 2009
104. Domeshek L., Harenberg P., Rineer C., Hadeed J., Marcus J., **Erdmann D.**: Total Scaphoid-Lunate avulsion with complete scaphoid extrusion: case report *Am J Hand Surgery* 35:69-71, 2010 (Case Report)
105. Hollenbeck S.T., Kamatsu I., **Erdmann D.**, Levin L.S.: Longitudinal outcomes and application of the subunit principle for 165 foot and ankle free tissue transfers. *Plast Reconstr Surg* 125:924-934, 2010
106. Blanton M., Pestana I.A., Donatucci C.F., **Erdmann D.**: A unique abdominoplasty approach in management of 'buried' penis in adulthood. *Plast Reconstr Surg* 125:1579-1580, 2010 (Letter)
107. Levin L.S., Miller A.S., Gajjar A.H., Bremer K.D., Spann J., Milano C., **Erdmann D.**: In innovative approach for sternal closure. *Ann Thorac Surg* 89:1995-1999, 2010
108. Yang J., **Erdmann D.**, Chang J.C., Komatsu I., Zhang Y.X., Wang D.R., Hodavance M.S., Hollenbeck S.T., Levinson H., Klitzman B., Levin L.S.: A model of sequential heart and composite tissue allotransplant in rats. *Plast Reconstr Surg* 126:80-86, 2010
109. Messmer C., Kellogg R.T., Zhang Y., Baiak A., Leiweke C., Marcus J.R., Levin L.S., Zenn M.R., **Erdmann D.**: A technique to perfuse cadavers that extends the useful life of fresh tissues: The Duke experience. *Anat Sci Educ* 3:191-194, 2010
110. Fearmonti R., Bond J., **Erdmann D.**, Levinson H.: A review of scar scales and scar measuring devices. *Eplasty* 10:e43, 2010

111. Zhang X.Y., Wang D., Follmar K.E., Yang J., Siang Ong Y., Messmer C., Coan B., **Erdmann D.**, Qian Y., Levin L.S.: A treatment strategy for postburn neck reconstruction: emphasizing the functional and aesthetic importance of the cervicomental angle. *Ann Plast Surg* 65:528-534, 2010
112. Fearmonti R., Bond J., **Erdmann D.**, Levin L.S., Pizzo S.V., Levinson H.: The modified POSAS: a novel approach to defining pathologic and non-pathologic scarring. *Plast Reconstr Surg* 127:242-247, 2011
113. Walsh M., Bruno A.D., Onaitis M.W., **Erdmann D.**, Wolfe W.G., Toloza E.M., Levin L.S.: 'The role of intrathoracic free flaps for chronic empyema. *Ann Thorac Surg* 91:865-868, 2011
114. Erdmann D., Walsh M., Earle S.A.: Use of the talon closure device in combination with a pectoralis turnover muscle flap for sternum nonunion. *Plast Reconstr Surg* 127:67e-69e, 2011 (Letter)
115. Hollenbeck S.T., Schoemann M., Yang J., **Erdmann D.**, Levin L.S.: The current role of the vascularized osteocutaneous fibular autograft in the treatment of segmental defects of the upper extremity. *Microsurgery* (in press)
116. Kokosis G., Levinson H., **Erdmann D.**: Acute carpal tunnel syndrome secondary to iatrogenic hemorrhage. A case report. *Hand* (in press)
117. Hollenbeck S.T., Levin L.S., **Erdmann D.**: The extended abdominal wall flap for transplantation. *Transplant Proc* (in press)
118. Hadeed J.G., Walsh M.D., Pappas T.N., Pestana I.A., Tyler D.S., Levinson H., Mantyh C., Jacobs D.O., Lagoo-Deenadalan S.A., **Erdmann D.**: Complex abdominal wall hernias: a new classification system and approach to management based on review of 133 consecutive patients. *Ann Plast Surg* (in press)
119. Hollenbeck S.T., Toranto J.D., Taylor B.J., Ho T.Q., Zenn M.R., **Erdmann D.**, Levin L.S.: Perineal and lower extremity reconstruction (CME article). *Plast Reconstr Surg* (in press)
120. Prow T.W., Monteiro-Riviere N.A., Inman A.O., Grice J.E., Chen X., Zhao X., Sanchez W.H., Gierden A., Kendall M.A.F., Zvyagin A.V., **Erdmann D.**, Riviere J.E. Roberts M.S.: Quantum dot penetration into viable human skin. *Nanotoxicology* (in press)

## 1.1 Non-refereed publications:

1. **Erdmann D.**, Hussmann J., Zamboni W.A., Germann G.: Hyperbarer Sauerstoff als Adjuvans in der Therapie der Streptokokken-Myositis [in German]. *Langenbecks Arch Chir Suppl Kongressbd* 1:67-70, 1996
2. Appel P., **Erdmann D.**, Tonus C., Rohr M., Nier H.: Das rupturierte Aneurysma der Milzarterie als seltene Differentialdiagnose des akuten Abdomens [in German]. *Chir Praxis* 52:519-523, 1997
3. Germann G., **Erdmann D.**: Foot reconstruction with microvascular flaps. *Operative Techniques Plast Reconstr Surg* 4:172-182, 1997
4. Sauerbier M., Bickert B., Kluge S., **Erdmann D.**, Germann G.: Mid-term results of scapho-trapezio-trapezoid arthrodesis in aseptic semilunar bone necrosis stage IIIa/b [in German]. *Langenbecks Arch Chir Suppl Kongressbd* 115:1274-1278, 1998
5. **Erdmann D.**, Busching K., Sauerbier M., Germann G.: The Thibierge-Weissenbach syndrome: A rare clinical presentation of generalized soft tissue calcifications associated with scleroderma. *Eur J Plast Surg* 22:326-328, 1999
6. **Erdmann D.**, Scharrer I., Böckmann U., Nier H.: Das klinische Bild der Thromboseneigung aufgrund genetisch bedingter Gerinnungsstörungen am Beispiel des Protein S-Mangels [in German]. *Chir Praxis* 50:413-419, 1995/96; *Chir Praxis* 52:519-523, 1997; *Internist Praxis* 35:75-81, 1999
7. Blome-Eberwein S., **Erdmann D.**, Pelzer M., Germann G.: Verbrennungschirurgie heute. Eine Zusammenfassung für die Praxis [in German]. *Chir Praxis* 56:591-603, 1999/2000
8. Sauerbier M., Tränkle M., Bickert B., **Erdmann D.**, Germann G.: Therapeutische Möglichkeiten zur Behandlung der Lunatumnekrose [in German]. *Trauma Berufskrankh* 2:232-238, 2000
9. Yang X.-W., Feng Y.-Z., Ji W.-J., Sun Y.-X., **Erdmann D.**, Germann G.: A profile of acute-phase proteins after severe burns *Eur J Plast Surg* 23:28-31, 2000
10. Levin L.S., **Erdmann D.**, Germann G.: The use of fillet flaps in upper extremity reconstruction. *J Am Soc Hand*, 2:39-44, 2002
11. Altmann J., Küntscher M., **Erdmann D.**, Germann G.: Therapy of decubitus ulcers based on plastic surgery [in German]. *Z Wundheilung* 2:44-47, 2003
12. Baccarani A., Follmar K.E., Marcus J.R., **Erdmann D.**, Levin L.S.: Technical aspects of face transplantation: two options for face harvesting. *Plast Reconstr Surg* 118 (Suppl 4):33-34, 2006
13. Scheuffler O., **Erdmann D.**: Current concepts and trends in postbariatric plastic surgery [in German]. *J Aesth Chir* 1:21-27, 2008

## 2. Major invited lectures (since 1992)

1. 'Noma – Reconstructive Opportunities', The Hospital for Sick Children, Toronto, Canada, June 2001

2. 'Lower extremity reconstruction – where do we stand in 2007?' Keynote lecture IPRAS, Berlin, Germany, June 2007
3. 'From local flaps to composite allograft face transplantation – where do we stand in face reconstruction?' Invited lecture, American Anaplastology Association 22<sup>nd</sup> annual conference, Washington D.C., September 2007
4. 'What is Plastic Surgery? From Plastic, Reconstructive, Maxillofacial Surgery and more'. Invited lecture American Academy of Professional Coders, Cary, NC, October 2008
5. Hollenbeck S.T., Erdmann D.: 'Simultaneous abdominoplasty and hernia repair in complex abdomen'. Invited Cine Clinic 1: Plastic Surgery: Abdominal wall reconstruction. American College of Surgeons 94<sup>th</sup> clinical congress, San Francisco, CA, October 2008
6. Hollenbeck S.T., Erdmann D.: 'Supersized panniculectomy'. Invited Cine Clinic 1: Plastic Surgery: Abdominal wall reconstruction. American College of Surgeons 94<sup>th</sup> clinical congress, San Francisco, CA, October 2008
7. 'Body contouring after massive weight loss' Invited lecture Swedish Society of Plastic Surgeons. Göteborg, Sweden, November 2008
8. Composite tissue allograft transplantation – where do we stand today? Invited lecture, Orthopedic grand rounds, Stockholm, Sweden, November 2008
9. 'Panfacial fractures'. Craniofacial Trauma: The Aesthetics of Reconstruction (Stryker Conference). The Carolina Inn, Chapel Hill, NC, January 2009
10. Anatomische Grundlagen und weitere aktuelle Aspekte der Gesichtstransplantation. 126th Kongress Deutsche Gesellschaft für Chirurgie. München, Germany, April 2009
11. 'What is Plastic Surgery?' Invited lecture American Academy of Professional Coders, Cary, NC, October 2009
12. Composite Tissue Allograft Transplantation – introduction and overview. Invited life webinar, Catastrophic Nursing Program, M Hayes (Workman's comp). Hartford, CT, Mai 04, 2010

### 3. Chapters in books:

1. Sauerbier M., **Erdmann D.**, Pelzer M., Bickert B., Germann G.: Microsurgical reconstruction of defects of the forearm and hand using the combined scapular/parascapular flap. *Adv Upper Lower Extrem Microvascular Reconstructions*, World Scientific Publishing 2002, Singapore, pp 172-181
2. Giessler G.A., **Erdmann D.**, Germann G.: Plastische Deckung von Hautdefekten. Bauch J., Betzler M., Lobenhoeffer P. (Eds.) *Chirurgie upgrade 2004*. Springer 2004, Heidelberg, Germany, pp 114-125
3. **Erdmann D.**, Stokes T.H.: Wound healing and wound management. Jacobs O.D. (Ed.) *First exposure*. McGraw-Hill 2006, NY, pp 121-136
4. Tahernia A., **Erdmann D.**, Zenn M.R.: Current Concepts of Breast Reconstruction. Jatoi I. and Kaufmann M. (Eds.) *Management of Breast Diseases*. Springer 2010, Heidelberg, Germany, pp 261-275

### 4. Books: (Indicate authors or editor)

N/A

### 5. Non-authored publications:

6. Other:      a. Published scientific reviews (for mass distribution) N/A

                  b. Selected abstracts N/A

                  c. Editorials, position, and background papers

-Reviewer for *Plast Reconstr Surg* since 2001  
-Reviewer for *Ann Plast Surg* since 2006  
-Reviewer for *J Reconstr Microsurg* since 2009

                  d. Patents N/A

**Consultant appointments:**

N/A

**Professional awards and special recognitions:**

-Invited Visiting Professor:

The Hospital for Sick Children, Toronto (Canada), 2001

-Two-time participant in the Biomedical Sciences Exchange Program (DAAD sponsored) between Germany and the USA

-Third place residents competition: **Erdmann D.**, Zamboni W.A., Hussmann J., Bergman B.A., Cooper M.D., Smoot E.C., Russell R.C.: Hyperbaric Oxygen treatment improves the outcome of Streptococcal myositis in mice. Annual Scientific Meeting Undersea and Hyperbaric Medical Society, June 1995, Palm Beach, Florida

-First place poster presentation: **Erdmann D.**, Küntscher M., Petravic A., Menke H., Germann G.: Die plastisch-chirurgische Deckung von Thoraxwanddefekten einschließlich der Sternumregion. 8. Annual meeting German Society of Thoracic Surgery, June 1999, Freiburg

-Best poster award: Sundin B.M., **Erdmann D.**, Moquin K.J., Young H., Georgiade G.S.: Vascular delay in unipedicled TRAM flap reconstruction of the breast: a review of 76 consecutive cases. 70<sup>th</sup> Annual Scientific Meeting American Society of Plastic Surgeons, November 2001, Orlando, Florida

-Best paper award European Federation Societies Hand Therapy  
Colditz J.C., **Erdmann D.**, Levin L.S.: Lumbrical tightness: testing and stretching.  
7. Congress EFSHT, May 2002, Amsterdam, The Netherlands

-Best paper award American Society Hand Therapists  
Colditz J.C., **Erdmann D.**, Levin L.S.: Clinical implications of differential testing and stretching of the interosseous versus the lumbrical muscles of the hand.  
25. Annual meeting ASHT, September 2002, Ottawa, Canada

-Best video award American Society Surgery Hand  
Heitmann C., **Erdmann D.**, Germann G., Levin L.S.: Intrinsic flaps of the hand: anatomical study, clinical applications.  
ASSH Annual meeting, October 2002, Phoenix, Arizona

-Best scientific paper award World Society Reconstructive Microsurgery  
Heitmann C., Khan R., **Erdmann D.**, Levin L.S., Klitzman B.: Sutureless anastomosis of a vein graft using magnets.  
2. Kongress World Society Reconstructive Microsurgery, June 2003, Heidelberg

-Best poster award North Carolina Society of Plastic Surgeons  
Stokes T.H., **Erdmann D.**, Marcus J.R.: Near total avulsion of the ear – a clinical review and anatomic study.  
Meeting North Carolina Society of Plastic Surgeons, September 2004, Charlotte, NC

-Best scientific paper award Southeastern Society of Plastic and Reconstructive Surgeons  
Levinson H., Mischen B.T., Klitzman B., Levin L.S., **Erdmann D.**: Non-muscle myosin II regulates collagen matrix contraction and wound healing.  
50<sup>th</sup> Annual meeting Southeastern Society of Plastic and Reconstructive Surgeons, June 2007, Destin, FL

-Georgiade award best scientific paper North Carolina Society of Plastic Surgeons  
Mischen B.T., Follmar K.E., Moyer K.E., Buehrer B., Olbrich K.C., Levin L.S., Klitzman B., **Erdmann D.**: Metabolic and functional characterization of human adipose-derived stem cells (ASCs) in tissue engineering.  
Annual meeting North Carolina Society of Plastic Surgeons, October 2007, Asheville, NC

**Panels and Instructional courses**

- Poster presentation. 32. Annual meeting Vereinigung der Deutschen Plastischen Chirurgen, September 2001, Frankfurt, Germany
- Poster presentation. 33. Annual meeting Vereinigung der Deutschen Plastischen Chirurgen, September 2002, Heidelberg
- Panel Berufsausbildung: Bessere plastisch-chirurgische Ausbildung in den USA – Mythos oder Wirklichkeit? 36. Annual meeting Vereinigung der Deutschen Plastischen Chirurgen, September 2005, Munich, Germany
- Invited instructional course: Lower extremity reconstruction: Use of the Sural artery island flap. 21 Annual meeting American Society of Reconstructive Microsurgery, January 2006, Tuscon, AZ
- Invited instructional course: Non-microsurgery for the microsurgeon. 22. Annual meeting American Society of Reconstructive Microsurgery, January 2007, Puerto Rico
- Panel scientific paper presentations, session B-2. 22. Annual meeting American Society of Reconstructive Microsurgery, January 2007, Puerto Rico
- ‘Novi meets Profi’. 124. Kongress Deutsche Gesellschaft für Chirurgie, May 2007, Munich, Germany
- Chair, scientific session ‘Lower extremity III’, 14<sup>th</sup> International Congress International Confederation Plastic, Reconstructive and Aesthetic Surgery, June 2007, Berlin, Germany
- Invited instructional course: Pedicled and microsurgical flaps in lower extremity reconstruction – what has evolved as the routine state of the art? 23. Annual meeting American Society of Reconstructive Microsurgery, January 2007, Beverly Hills, CA
- Moderator, resident scientific paper presentation. Annual meeting North Carolina Society of Plastic Surgeons, September 2008, Chapel Hill, NC

### **Organizations and participation: (Offices held, committee assignments, etc.):**

- Organizing Committee 2. Congress World Society Reconstructive Microsurgery Heidelberg Germany, June 2003
- Two-time participant in the AWD Stiftung Kinderhilfe/Interplast e.V. Germany *Noma project* in Sokoto, Nigeria in October 1997 and October/November 1998
- Participant in the two week Interplast Germany/UK project in connection with the Government’s 100-day program in Jaffna, Sri Lanka, January 2002
- Participant in a two week Interplast Germany/UK mission in Hambantota, Sri Lanka, October 2004
- Participant in a one week ‘Operation Smile’ (25<sup>th</sup> anniversary) mission to Nanjing, China, November 2007
- AACPS/Duke University Health Sector Management leadership conference, Durham, NC, February 2010

### **Memberships:**

- Member, German Society of Surgeons (DGCH)
- Member, German Society of Plastic, Reconstructive and Aesthetic Surgeons (DGPRÄC)
- Interplast Germany e.V.
- Associate Member, American Society of Plastic Surgeons (ASPS)

- Member, Southeastern Society of Plastic and Reconstructive Surgeons (SESPRS)
- Member, North Carolina Society Plastic Surgeons
- Member, American Society of Reconstructive Microsurgery

**Teaching responsibilities including continuing education:**

- Faculty 1., 2., 3., 4., 5. 6., 7. and 8<sup>th</sup> Annual Fresh Cadaver Flap Course for Reconstructive Surgery, Duke University Medical Center, Durham, North Carolina, August 2003, 2004, 2005, 2006, 2007, 2008, 2009 and 2010
- Faculty AO/ASIF Course ‘Principles of operative treatment of craniofacial trauma and reconstruction, Durham, NC, September 2005
- Faculty, Operation Smile Fresh Cadaver Flap Course  
Duke University Medical Center, Durham, North Carolina, May 2006, May/June 2007, May 2008
- Faculty, ‘Life Cell’ Bioskills Lab  
Duke University Medical Center, November 2008
- Regular (weekly) bedside teaching and teaching in OR of residents and students as part of faculty appointment
- Official mentor and co-mentor of Duke University 3<sup>rd</sup> year medical students
- Divisional and departmental presentations, various topics (weekly conferences and grand rounds, 5/year)
- Regular Duke University medical student and anesthesiology resident lectures (1-2/semester)

**Areas of research interests (basic and applied):**

- Development of Composite Tissue Allograft (CTA) rat model and introduction of CTA into clinical practice at Duke University Medical Center (IRB protocol for abdominal wall allograft since 2008)
- Adipose-derived stem cells (ADSC) and osteogenesis; approaches to enhancing acellular dermal matrix tissue incorporation
- Fluorescent angiography in free tissue transfer and abdominal wall reconstruction
- Elastic fiber expression in dermis after spontaneous and surgically induced weight loss
- Patient attitudes towards post-bariatric surgery body contouring procedures: analysis of a post-operative questionnaire (translational research with Duke Clinical Research Institute, DCRI)

**External support (past and present) - gifts, grants, and contracts:**

	<u>PI</u>	<u>Purpose</u>	<u>Amount</u>	<u>Duration</u>
<b>a) Past:</b>	1. Moyer/Erdmann	PSEF grant*	\$4000	2007-2008
	2. Erdmann	‘Life cell’ lab fund	\$10000	received 2009

- b) Present:**
- |                           |               |        |               |
|---------------------------|---------------|--------|---------------|
| 1. Walsh/Klitzman/Erdmann | SESPRS grant* | \$5000 | 2008-2009     |
| 2. Erdmann                | DUMC fund     | \$5000 | received 2009 |

**c) Pending:**

\*Georgiade award best scientific paper North Carolina Society of Plastic Surgeons (Plastic Surgery Educational Foundation, PSEF sponsored): Mischen B.T., Follmar K.E., Moyer K.E., Buehrer B., Olbrich K.C., Levin L.S., Klitzman B., **Erdmann D.**: Metabolic and functional characterization of human adipose-derived stem cells (ASCs) in tissue engineering. Annual meeting North Carolina Society of Plastic Surgeons, October 2007, Asheville, NC

\*Walsh M., Levinson H., Ho T., Selim A., **Erdmann D.**, Levin L.S.: The role of FAP-a in keloid pathogenesis (Southeastern Society Plastic Reconstructive Surgeons, SESPRS sponsored)

**Clinical activity - type of practice and estimate of time commitment:**

-70% clinical- general plastic, reconstructive and cosmetic surgery, with focus on post-bariatric plastic surgery and general 'body contouring'; facial trauma management, hand trauma management; Durham VA plastic surgery service chief; 6-8 plastic surgery calls, up to 15 maxillofacial trauma calls, 4-5 hand trauma calls at DUMC and Durham VAMC

**Participation in academic and administrative activities of the University and Medical Center:**

- Durham Veterans Affairs Medical Center (VAMC) Section Chief, Plastic Surgery
- Co-Director CMF Trauma, Duke University Medical Center
- Organization of Duke University/University of Heidelberg, Germany official student exchange program
- Duke University Institutional Review Board (IRB) member
- Member, Search Committee future Chief, Division of Plastic, Reconstructive, Maxillofacial and Oral Surgery, Duke University Medical Center

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**Signature of Chairman**

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**Date**

