

STEPHAN SCHREML

PROF. DR. MED.

WERDEGANG

- 12/18 **Ruf auf W2-Professur für Dermatologie**
Universitätsklinikum Regensburg, *primo loco* (angenommen)
- 06/17 **Ruf auf W2-Professur für Dermatologie**
Universitätsklinikum Jena, *primo loco* (abgelehnt)
- 03/15 **Habilitation in Dermatologie und Venerologie (Habitationspreis)**
Lehrbefähigung: Dr. habil., Lehrbefugnis: Priv.-Doz.
- 02/14– **Oberarzt Dermatologie** (bei Prof. Dr. Mark Berneburg)
Leitung Station 53, Dermatohistologie, experimentelle Dermatologie,
Leitung Allergologie, Stellvertretender Koordinator und Studienleiter Hautkrebszentrum,
Leitung Gutachtenstelle, Wundsprechstunde, Amyloidosepatienten,
Organisator Regensburger Dermatologentagung RDT (03/2015) und Fortbildungsreihe
- 08 – 14 **Facharztausbildung Dermatologie** (bei Prof. Dr. Dr. h.c. Michael Landthaler)
- 08/08 **Promotion (summa cum laude)**
- 06/08 **Medizinisches Staatsexamen (sehr gut)**
- 03 – 08 **Studium Humanmedizin**
Regensburg (Deutschland), Salzburg (Österreich)
Coventry (England, UK), Los Angeles (CA, USA), Basel (Schweiz)
- 08/03 **Physikum (Notendurchschnitt 1,0)**
- 06/00 **Abitur (Notendurchschnitt 1,0)**

AUSZEICHNUNGEN

- 11/16 **Glanzlicht biomedizinischer Forschung in Regensburg**
Cell Metabolism 2016;24:657-71
- 07/16 **Habitationspreis der Freunde der Universität Regensburg**
- 08/15 **Associate Editor des British Journal of Dermatology**
- 08/14 **Glanzlicht biomedizinischer Forschung in Regensburg**
Theranostics 2014;4:721-35
- 11/13 **Euroderm Excellence Programm, Rom**
- 03/13 **Most Cited Article 2010-2013**
Photodermatol Photoimmunol and Photomed 2010;26:118-32
- 07/12 **Heinz Maurer-Preis für dermatologische Grundlagenforschung**
- 04/12 **Glanzlicht biomedizinischer Forschung in Regensburg**
Angew Chem Int Ed Engl 2011;50(46):10893-6
- 03/12 **Reisestipendium der Glaxo-Smith-Kline Stiftung**
70th Annual Meeting of the AAD, San Diego, CA, USA
- 03/12 **ReForM-B-Stipendium des Universitätsklinikums Regensburg**
- 12/12 **Top-10 Most Cited Articles 2011 in Experimental Dermatology**
Exp Dermatol 2011;10:229-31
- 06/11 **Glanzlicht biomedizinischer Forschung in Regensburg**
Proc Natl Acad Sci USA 2011;108:2432-7
- 09/10 **Top-25 Hottest Articles in J Am Acad Dermatol**
J Am Acad Dermatol 2010;63:866-81
- 04/10 **Graduierten-Stipendium der Novartis-Stiftung**
- 05/09 **Reisestipendium der Glaxo-Smith-Kline Stiftung**
15th Annual Meeting of the ISCT, San Diego, CA, USA
- 11/08 **Ulrich Klotz-Preis für klinische Pharmakologie**
10. Jahrestagung der VKliPha, Berlin
- 11/05 **Posterpreis des European Journal of Clinical Pharmacology**
7. Jahrestagung der VKliPha, Dresden
- 08/03 **Stipendiat von e-fellows.net**
- 05/03 **Stipendiat der Studienstiftung des deutschen Volkes**
Mitglied der Auswahlkommission (seit 2009)
- 06/00 **Buchpreis des Fonds der chemischen Industrie e.V.**

PUBLIKATIONEN	<p>> 100 peer-reviewed Publikationen → kumulativer Impact Factor = 304,223, h-Index: 29 → Auswahl 5 wichtige Originalarbeiten: siehe unten</p> <p>Buchkapitel in Standardwerken: „Cutaneous Amyloidoses“ in Rook’s Textbook of Dermatology (9th ed. 2016) „Systemische Therapie“ in Braun Falco’s Dermatologie (6. Aufl. 2012, 7. Aufl. 2018) „Hereditäre Immundefekte“ in Braun Falco’s Dermatologie (7. Aufl. 2018) „pH-Wert und Wundheilung“ in Dissemond’s Wundbehandlung (1. Aufl., 2018) „Allergologie“ in Notfallpatienten in der Zahnarztpraxis (2. Aufl., 2019)</p>
GUTACHTER	<p>Acta Dermatol Venereol, Am J Clin Dermatol, Arch Dermatol Res, Australas J Dermatol, BMC Dermatol, Br J Dermatol, Cancer Treatment Rev, Chronic Wound Care Management and Research, Computers Biol Med, Cosmetics, Cytotherapy, Cutan Ocul Toxicol, Dermatology, Der Hautarzt, Deutsche Forschungsgemeinschaft (DFG), Diabetes Res Clin Pract, Eur J Dermatol, Eur J Pharm Biopharm, Exp Dermatol, Expert Opin Ther Pat, Free Radical Res, Int J Biol Macromol, Int J Cosmet Sci, Int J Dermatol, J Biomed Biotechnol, J Biophotonics, J Dtsch Dermatol Ges, J Am Acad Dermatol, JAAD Case Rep, J Dermatol Case Rep, J Eur Acad Dermatol Venereol, Lasers Med Sci, Photomed Laser Surg, Med Laser Appl, PlosONE, Proc Natl Acad Sci USA, Regenerative Med, Sci Rep, Studienstiftung des deutschen Volkes, Wound Repair Regen</p>
EDITORIAL	<p>British Journal of Dermatology (Associate Editor, Translational Research) Clinical Hemorheology and Microcirculation (Editorial Board)</p>
DFG-PROJEKTE	<p>BA 3410/3-1 und WO 669/9-1 (wissenschaftlicher Mitarbeiter) 2D-Darstellung des Sauerstoffpartialdruckes und des pH-Wertes in Wunden</p> <p>BA 3410/4-1 (gleichberechtigter Antragsteller) 2D-Darstellung des Sauerstoffpartialdruckes und des pH-Wertes in akuten und chronischen Wunden mittels sprühbarer lumineszenz-optischer Sensoren</p> <p>SCHR 1288/4-1, 1288/4-3 (Antragsteller, Gemeinschaftsprojekt mit ME 4147/3-1) Lumineszenz-basierte 2D-Visualisierung des intra- und extrazellulären Tumor-pH sowie Untersuchung des Einflusses von pH auf Tumorzellproliferation und -migration in vitro</p> <p>SCHR 1288/5-1 (Antragsteller, Gemeinschaftsprojekt mit SCHR 1513/1-1) Molekulargenetische, histologische, immunhistochemische und funktionelle Charakterisierung von Fettgewebe bei multipler symmetrischer Lipomatose</p> <p>SCHR 1288/6-1 (Antragsteller) Expressionsprofile Protonen-sensitiver G-Protein-gekoppelter Rezeptoren (GPCRs) und deren Einfluss auf Zellproliferation und -migration in Tumorwachstum und Wundheilung</p>
ZIM-Projekt	<p>Kooperationspartner (mit Priv.-Doz. Dr. F. Haubner und PreSens GmbH) Anwendung und Evaluation der dualen Sensortechnologie (pO₂, pH)</p>
ORGANISATIONEN	<p>Arbeitsgemeinschaft dermatologische Forschung (ADF) Arbeitsgemeinschaft Wundheilung der DDG Auswahlkommission der Studienstiftung des deutschen Volkes British Journal of Dermatology (Editorial Board) Clinical Hemorheology and Microcirculation (Editorial Board) Deutsche dermatologische Gesellschaft (DDG) European Society for Microcirculation (ESM) Gesellschaft für Dermopharmazie (GD)</p>

ORIGINALARBEITEN (AUSWAHL 5 WICHTIGE)

Schreml S*, Meier RJ*, Wolfbeis OS, Landthaler M, Szeimies RM, Babilas P
2D luminescence imaging of pH in vivo.
Proc Natl Acad Sci USA 2011;108:2432-7. *gleichberechtigter Erstautor. **JIF = 9,681**

Meier RJ*, **Schreml S***, Wang XD, Landthaler M, Babilas P, Wolfbeis OS
Simultaneous photographing of oxygen and pH in vivo using sensor films.
Angew Chem Int Ed Engl 2011;50:10893-6. *gleichberechtigter Erstautor. **JIF = 13,455**

Schreml S, Meier RJ, Kirschbaum M, Kong SC, Gehmert S, Felthaus O, Kuchler S, Sharpe JR, Wöltje K, Weiß KT, Alber M, Seidl U, Schröder J, Morsczeck C, Prantl L, Duschl C, Pedersen SF, Gosau M, Berneburg M, Wolfbeis OS, Landthaler M, Babilas P
Luminescent dual sensors reveal extracellular pH-gradients and hypoxia on chronic wounds that disrupt epidermal barrier repair.
Theranostics 2014;4:721-35. **JIF = 8,022**

Vavrova K, Henkes D, Sochorova M, Skolova B, Struever K, Witting M, Friess W, **Schreml S**, Meier RJ, Schäfer-Korting M, Fluhr J, Kuechler S
Filaggrin-deficiency leads to impaired lipid profile and altered acidification pathways in a 3D skin construct.
J Invest Dermatol 2014;134:746-53. **JIF = 7,216**

Brand A, Singer K, Koehl GE, Kolitzus M, Schoenhammer G, Renner K, Klobuch S, Peter K, Kastenberger M, Bogdan C, Schleicher U, Mackensen A, Ullrich E, Fichtner-Feigl S, Kesselring R, Mack M, Ritter U, Schmid M, Blank C, Oefner PJ, Hoffmann P, Herr W, Walenta S, Poysegur J, Villunger A, Steven A, Seliger B, **Schreml S**, Haferkamp S, Kohl E, Karrer S, Berneburg M, Mueller-Klieser W, Renner K, Kreutz M
LDHA-associated lactic acid production blunts tumor immunosurveillance by T and NK cells.
Cell Metabolism 2016;24:657-71. **JIF = 18,164**

Originalien (Erst-, gleichberechtigter Erst- oder Seniorautor)

1. Schreml, S.*, Meier, R.J.*, Wolfbeis, O.S., Landthaler, M., Szeimies, R.M., and Babilas, P. 2011. 2D luminescence imaging of pH in vivo. Proc Natl Acad Sci USA (PNAS) 108:2432-7.
JIF = 9,681
2. Schreml, S., Meier, R.J., Weiss, K.T., Cattani, J., Flittner, D., Gehmert, S., Wolfbeis, O.S., Landthaler, M., and Babilas, P. 2012. A sprayable luminescent pH sensor and its use for wound imaging in vivo. Exp Dermatol 21:951-3.
JIF = 3,578
3. Meier, R.J.*, Schreml, S.*, Wang, X.D., Landthaler, M., Babilas, P., and Wolfbeis, O.S. 2011. Simultaneous photographing of oxygen and pH in vivo using sensor films. Angew Chem Int Ed Engl 50:10893-6.
JIF = 13,455
4. Schreml, S., Meier, R.J., Wolfbeis, O.S., Maisch, T., Szeimies, R.M., Landthaler, M., Regensburger, J., Santarelli, F., Klimant, I., and Babilas, P. 2011. 2D luminescence imaging of physiological wound oxygenation. Exp Dermatol 20:550-4.
JIF = 3,543
5. Schreml, S., Meier, R.J., Kirschbaum, M., Kong, S.C., Gehmert, S., Felthaus, O., Kuechler, S., Sharpe, J.R., Woeltje, K., Weiss, K.T., Albert, M., Seidl, U., Schroeder, J., Morsczeck, C., Prantl, L., Duschl, C., Pedersen, S.F., Gosau, M., Berneburg, M., Wolfbeis, O.S., Landthaler M., Babilas P. 2014. Luminescent dual sensors reveal extracellular pH-gradients and hypoxia on chronic wounds that disrupt epidermal repair. Theranostics 4:721-35.
JIF = 8,022
6. Schreml, S., Meier, R.J., Albert, M.G., Seidl, U., Zeller, V., Behm, B., Landthaler, M., Abels, C., and Babilas, P. 2012. The impact of 10% alpha-hydroxy acid emulsion on skin pH. Skin Pharmacol Physiol 25:34-8.
JIF = 2,885
7. Schreml, S., Zeller, V., Meier, R.J., Korting, H.C., Behm, B., Landthaler, M., and Babilas, P. 2012. Impact of age and body site on adult female skin surface pH. Dermatology 224:66-71.
JIF = 2,024
8. Schreml, S., Lehle, K., Birnbaum, D.E., and Preuner, J.G. 2007. mTOR-inhibitors simultaneously inhibit proliferation and basal IL-6 synthesis of human coronary artery endothelial cells. Int Immunopharmacol 7:781-90.
JIF = 2,490
9. Lehle, K.*, Schreml, S.*, Kunz-Schughart, L.A., Rupprecht, L., Birnbaum, D.E., Schmid, C., and Preuner, J.G. 2008. mTOR inhibitors and calcineurin inhibitors do not affect adhesion molecule expression of human macro- and microvascular endothelial cells. J Vasc Res 45:333-42.
JIF = 2,463
10. Steinbauer, J.M.*, Schreml, S.*, Babilas, P., Zeman, F., Karrer, S., Landthaler, M., and Szeimies, R.M. 2009. Topical photodynamic therapy with porphyrin precursors - assessment of treatment-associated pain in a retrospective study. Photochem Photobiol Sci 8:1111-6.
JIF = 3,100
11. Steinbauer, J.*, Schreml, S.*, Karrer, S., Ackermann, G., Babilas, P., Landthaler, M., and Szeimies, R.M. 2009. Phototoxic reactions in healthy volunteers following photodynamic therapy with methylaminolevulinic acid cream or with cream containing 5-aminolevulinic acid: a phase II, randomized study. Photodermatol Photoimmunol Photomed 25:270-5.
JIF = 1,604

12. Schreml, S., Babilas, P., Fruth, S., Orso, E., Schmitz, G., Mueller, M.B., Nerlich, M., and Prantl, L. 2009. Harvesting human adipose tissue-derived adult stem cells: resection versus liposuction. *Cytotherapy* 11:947-57.
JIF = 2,204
13. Schreml, S., Heine, N., Eisenmann-Klein, M., and Prantl, L. 2007. Bacterial colonization is of major relevance for high-grade capsular contracture after augmentation mammoplasty. *Ann Plast Surg* 59:126-30.
JIF = 1,140
14. Prantl, L., Fichtner-Feigl, S., Hofstaedter, F., Lenich, A., Eisenmann-Klein, M., and Schreml, S. 2008. Flow cytometric analysis of peripheral blood lymphocyte subsets in patients with silicone breast implants. *Plast Reconstr Surg* 121:25-30.
JIF = 2,591
15. Babilas, P.*, Schreml, S.*, Eames, T., Hohenleutner, U., Szeimies, R.M., and Landthaler, M. 2010. Split-face comparison of intense pulsed light with short- and long-pulsed dye lasers for the treatment of port-wine stains. *Lasers Surg Med* 42:720-7.
JIF = 3,000
16. Behm, B., Kemper, M., Babilas, P., Abels, C., Schreml, S. 2015. Impact of a glycolic acid-containing pH 4 water-in-oil emulsion on skin pH. *Skin Pharmacol Physiol* 28:290-5.
JIF = 2,366
17. Haverkamp, S., Heider, J., Weiß, K.T., Haubner, F., Ettl, T., Schreml, J., Hedtrich, S., von Süßkind-Schwendi, M., Berneburg, M., Karrer, S., Dissemond, J., Schreml, S. 2017. NHE1-expression at wound margins increases time-dependently during physiological healing. *Exp Dermatol* 26:124-6.
JIF = 2,679
18. Fürtjes, T., Weiß, K.T., Filbry, A., Rippke, F., Schreml, S. 2017. Impact of a pH 5 oil-in-water emulsion on skin surface pH. *Skin Pharmacol Physiol* 30:292-7.
JIF = 2,756
19. Nassios, A., Wallner, S., Haferkamp, S., Klingelhöffer, C., Brochhausen, C., Schreml, S. 2019. Expression of proton-sensing G-protein-coupled receptors in selected skin tumors. *Exp Dermatol* 28:66-71.
JIF = 2,868
20. Lindner, A., Marbach, F., Tschernitz, S., Ortner, C., Berneburg, M., Felthaus, O., Prantl, L., Kye, M.J., Rappl, G., Altmüller, J., Thiele, H., Schreml, S.*, Schreml, J*. 2019. Calcyphosine-like (CAPSL) is regulated in Multiple Symmetric Lipomatosis and is involved in Adipogenesis. *Sci Rep* 9:8444. *equal contribution.
JIF = 4,525

Originalien (Co-Autor)

22. Szeimies, R.M., Torezan, L., Niwa, A., Valente, N., Unger, P., Kohl, E., Schreml, S., Babilas, P., Karrer, S., and Festa-Neto, C. 2012. Clinical, histopathological and immunohistochemical assessment of human skin field cancerization before and after photodynamic therapy. *Br J Dermatol* 167:150-9.
JIF = 3,759
23. Prantl, L., Schreml, S., Walter, M., Kasprzak, P., Stehr, A., Nerlich, M., Feurbach, S., and Jung, E.M. 2008. Evaluation of microcirculation of free flaps of the lower leg by contrast harmonic imaging (CHI) with time intensity curve (TIC) analysis. *Clin Hemorheol Microcirc* 39:343-50.
JIF = 1,810
24. Prantl, L., Schreml, S., Schwarze, H., Eisenmann-Klein, M., Nerlich, M., Angele, P., Jung, M., and Fuchtmeier, B. 2008. A safe and simple technique using the distal pedicled reversed upper arm flap to cover large elbow defects. *J Plast Reconstr Aesthet Surg* 61:546-51.
JIF = 1,235
25. Prantl, L., Schreml, S., Heine, N., Eisenmann-Klein, M., and Angele, P. 2006. Surgical treatment of chronic phantom limb sensation and limb pain after lower limb amputation. *Plast Reconstr Surg* 118:1562-72.
JIF = 0,960
26. Prantl, L., Schreml, S., Fichtner-Feigl, S., Poppl, N., Roll, C., Eisenmann-Klein, M., and Hofstadter, F. 2006. [Histological and immunohistochemical investigations with capsular contracture after breast augmentation with smooth silicone gel implants]. *Handchir Mikrochir Plast Chir* 38:224-32.
JIF = 0,610
27. Prantl, L., Schreml, S., Fichtner-Feigl, S., Poppl, N., Eisenmann-Klein, M., Schwarze, H., and Fuchtmeier, B. 2007. Clinical and morphological conditions in capsular contracture formed around silicone breast implants. *Plast Reconstr Surg* 120:275-84.
JIF = 1,490
28. Prantl, L., Roll, C., Feser, D., Schreml, S., Nerlich, M., Mayr, E., and Fuchtmeier, B. 2006. [Reduction of the amputation rate in bone and soft tissue sarcoma by interdisciplinary cooperation]. *Handchir Mikrochir Plast Chir* 38:178-84.
JIF = 0,610
29. Prantl, L., Burgers, R., Schreml, S., Zellner, J., and Gosau, M. 2010. A novel antibacterial silicone implant material with short- and long-term release of copper ions. *Plast Reconstr Surg* 125:78e-80e.
JIF = 2,635
30. Prantl, L., Babilas, P., Roll, C., Jung, M., Nerlich, M., Kinner, B., Schreml, S., and Fuechtmeier, B. 2009. The use of 'fasciocutaneous' and 'osteofasciocutaneous' parascapular flaps for lower limb reconstruction: a retrospective study of 20 patients. *J Plast Reconstr Aesthet Surg* 62:973-80.
JIF = 1,508
31. Prantl, L., Angele, P., Schreml, S., Ulrich, D., Poppl, N., and Eisenmann-Klein, M. 2006. Determination of serum fibrosis indexes in patients with capsular contracture after augmentation with smooth silicone gel implants. *Plast Reconstr Surg* 118:224-9.
JIF = 0,960
32. Poeppl, N., Schreml, S., Lichtenegger, F., Lenich, A., Eisenmann-Klein, M., and Prantl, L. 2007. Does the surface structure of implants have an impact on the formation of a capsular contracture? *Aesthetic Plast Surg* 31:133-9.
JIF = 1,065

33. Markl, P., Prantl, L., Schreml, S., Babilas, P., Landthaler, M., and Schwarze, H. 2010. Management of split-thickness donor sites with synthetic wound dressings: results of a comparative clinical study. *Ann Plast Surg* 65:490-6.
JIF = 1,274
34. Maisch, T., Santarelli, F., Schreml, S., Babilas, P., and Szeimies, R.M. 2010. Fluorescence induction of protoporphyrin IX by a new 5-aminolevulinic acid nanoemulsion used for photodynamic therapy in a full-thickness ex vivo skin model. *Exp Dermatol* 19:e302-5.
JIF = 4,159
35. Lehle, K., Kunz-Schughart, L.A., Kuhn, P., Schreml, S., Birnbaum, D.E., and Preuner, J.G. 2007. Validity of a patient-derived system of tissue-specific human endothelial cells: interleukin-6 as a surrogate marker in the coronary system. *Am J Physiol Heart Circ Physiol* 293:H1721-8.
JIF = 4,390
36. Lamby, P., Prantl, L., Schreml, S., Pfister, K., Mueller, M.P., Clevert, D.A., and Jung, E.M. 2009. Improvements in high resolution ultrasound for postoperative investigation of capillary microperfusion after free tissue transfer. *Clin Hemorheol Microcirc* 43:35-49.
JIF = 1,780
37. Klein, S.M., Vykoukal, J., Lechler, P., Zeitler, K., Gehmert, S., Schreml, S., Alt, E., Bogdahn, U., and Prantl, L. 2012. Noninvasive in vivo assessment of muscle impairment in the mdx mouse model - a comparison of two common wire hanging methods with two different results. *J Neurosci Methods* 203:292-7.
JIF = 2,114
38. Klein, S.M., Schreml, S., Nerlich, M., and Prantl, L. 2009. In vitro studies investigating the effect of subcutaneous phosphatidylcholine injections in the 3T3-L1 adipocyte model: lipolysis or lipid dissolution? *Plast Reconstr Surg* 124:419-27.
JIF = 2,743
39. Klein, S.M., Prantl, L., Berner, A., Schreml, S., Schubert, T., Rennert, J., Fellner, C., Stopfer, A., Angele, P., Schreyer, A.G., et al. 2008. A new method to quantify the effect after subcutaneous injection of lipolytic substances. *Aesthetic Plast Surg* 32:667-72.
JIF = 0,782
40. Klein, A., Szeimies, R.M., Baumler, W., Zeman, F., Schreml, S., Hohenleutner, U., Landthaler, M., Koller, M., and Babilas, P. 2012. Indocyanine green-augmented diode laser treatment of port-wine stains: clinical and histological evidence for a new treatment option from a randomized controlled trial. *Br J Dermatol* 167:333-42.
JIF = 3,759
41. Geis, S., Schreml, S., Lamby, P., Obed, A., Jung, E.M., Nerlich, M., Babilas, P., Szeimies, R.M., and Prantl, L. 2009. Postoperative assessment of free skin flap viability by transcutaneous pO₂ measurement using dynamic phosphorescence imaging. *Clin Hemorheol Microcirc* 43:11-8.
JIF = 1,760
42. Geis, S., Babilas, P., Schreml, S., Angele, P., Nerlich, M., Jung, E.M., and Prantl, L. 2008. Transcutaneous pO₂ measurement during tourniquet-induced venous occlusion using dynamic phosphorescence imaging. *Clin Hemorheol Microcirc* 40:249-58.
JIF = 1,810
43. Babilas, P., Schreml, S., Eames, T., Hohenleutner, U., Landthaler, M., and Hohenleutner, S. 2011. Experience with non-ablative fractional photothermolysis with a dual-mode laser device (1,440/1,320 nm): no considerable clinical effect on hypertrophic/acne scars and facial wrinkles. *Lasers Med Sci* 26:473-9.
JIF = 2,004

44. Babilas, P., Lamby, P., Prantl, L., Schreml, S., Jung, E.M., Liebsch, G., Wolfbeis, O.S., Landthaler, M., Szeimies, R.M., and Abels, C. 2008. Transcutaneous pO₂ imaging during tourniquet-induced forearm ischemia using planar optical oxygen sensors. *Skin Res Technol* 14:304-11.
JIF = 1,348
45. von Breitenbuch, P., Jeiter, T., Schreml, S., Glockzin, G., Agha, A., Piso, P., Schlitt, H.J. 2014. Autofluorescent imaging in patients with peritoneal carcinomatosis. *Surg Innov* 21:187-93.
JIF = 1,338
46. Vavrova, K., Henkes, D., Sochorova, M., Skolova, B., Struever, K., Witting, M., Friess, W., Schreml, S., Meier, R.J., Schaefer-Korting, M., Fluhr, J., Kuchler, S. 2014. Filaggrin-deficiency leads to impaired lipid profile and altered acidification pathways in a 3 D skin construct. *J Invest Dermatol* 134:746-53.
JIF = 7,216
47. Ettl, T., Irga, S., Mueller, S., Rohrmeier, C., Reichert, T.E., Schreml, S., Gosau, M. 2014. Value of anatomic site, histology, and clinicopathological parameters for prediction of lymph node metastasis and overall survival in head and neck melanomas. *J Craniomaxillofac Surg* 42:e252-8.
JIF = 0,678
48. Gehmert, S., Wenzel, C., Loibl, M., Brockhoff, G., Huber, M., Krutsch, W., Nerlich, M., Gosau, M., Klein, S., Schreml, S., Prantl, L., Gehmert, S. 2014. Adipose tissue-derived stem cell secreted IGF-1 protects myoblasts from negative effect of myostatin. *Biomed Res Int* 2014:129048.
JIF = 1,579
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JIF = 4,097
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JIF = 2,207
51. Wang, X.D., Meier, R.J., Schmittlein, C., Schreml, S., Schäferling, M., Wolfbeis, O.S. 2015. A water-sprayable, thermogelating and biocompatible polymer host for use in fluorescent chemical sensing and imaging of oxygen, pH values and temperature. *Sensors Actuators B Chem* 221:37-44.
JIF = 4,758
52. Haubner, F., Muschter, D., Pohl, F., Schreml, S., Prantl, L., Gassner, H.G. 2015. A co-culture model of fibroblasts and adipose tissue-derived stem cells reveals new insights into impaired wound healing after radiotherapy. *Int J Mol Sci* 16:25947-58.
JIF = 3,257
53. Wiesinger, I., Schreml, S., Wohlgemuth, A.H., Stroszcynski, C., Jung, E.M. 2015. Perfusion quantification of vascular malformations using contrast enhanced ultrasound (CEUS) with time intensity curve analysis before and after treatment: first results. *Clin Hemorheol Microcirc* 62:283-90.
JIF = 1,815
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