

CURRICULUM VITAE
Daniel Christian HOESSLI
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1. Personal information

Born in Geneva, June 30, 1944
One child, Elsa, born January 3rd, 1978
Address: 11, avenue Dumas, 1206 Genève.
Professional address until Sept. 30, 2009 : Département de Pathologie et Immunologie, Centre médical universitaire. 1, rue Michel-Servet, 1211 Genève 4
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2. Present Position :

Professeur titulaire, retired.

3. Degrees

Baccalaureate (Maturité latine), Collège Calvin, Geneva : 1962
Swiss Federal Diploma of Medicine, Geneva, 1970.
Medical Doctorate (MD degree), Genève and St. Louis, MO (USA), 1974: *Heterologous recombination between mouse myeloma 315 heavy chains and rabbit antibody light chains. Structural and functional properties of the hybrid molecules.*

4. Training

Medical Studies, Geneva 1963-1970
Post-doctoral training, 1970-1973, Department of Microbiology, Washington University School of Medicine, St.-Louis MO. *Basic Immunology and Immunochemistry.*
Post-doctoral training, 1973-1976, Department of Pathology, Yale University School of Medicine, New Haven, CT. *Cellular Immunology and Cell Biology.*

5. Positions held

Professeur titulaire, Département de Pathologie, Faculté de Médecine, Université de Genève, 2000-2005.
Maître d'enseignement et de recherche, Département de Pathologie, Faculté de Médecine, Université de Genève, 1982-2000.
Chef de travaux, Département de Pathologie, Faculté de Médecine Université de Genève, 1976-1982.
Post-doctoral Associate, Department of Pathology, Yale University School of Medicine, New Haven, CT, 1973-1976.
Post-doctoral Fellow, Department of Microbiology, Washington University School of Medicine, St. Louis, MO, 1970-1973.
Assistant in Immunochemistry, Institut d'Hygiène, Genève, 1968-1969.

6. Teaching

Pregraduate teaching :

From 1990 until 2009, pathology and immunology in both the classical and problem-based medical curricula in the Faculty of Medicine, University of Geneva.

From 1986 to 1994, pathology in the Faculty of Medicine, University of Yaoundé, Cameroun.

Postgraduate teaching :

From 1986 until 1995, organization of weekly seminars in the Department of Pathology, Faculty of Medicine, University of Geneva.

From 1988 until 2008, WHO Courses in Immunology, Vaccinology and Biotechnology applied to infectious diseases (French and English): *T-cell receptors*.

Indo-Swiss Collaboration in Biotechnology:

Training course on molecular identification and characterization of lymphocyte surface molecules. 1993.

Immune responses to mycobacterial pathogens, within the course: *Genetics and Immunology of Mycobacteria*,

“*Workshop on Genome Organization of Mycobacteria and Immunology of Leprosy*” 1998.

School of Biotechnology, Madurai Kamaraj University, Madurai, India.

7. Research

Role of microdomains (rafts) in the functional organization of the lymphocyte plasma membrane.

8. Administrative tasks

Organization of the 1st year medical curriculum (1995-2009)

9. Distinctions

Pulmedica Prize, 1995, with S. Yousefi, K. Blaser, G.B. Mills et H.-U. Simon, (*Requirement of Lyn and Syk*

tyrosine kinases for the prevention of apoptosis by cytokines in human eosinophils).

10. Memberships

Swiss Society of Allergology and Immunology.

Swiss Society of cellular and molecular Biology.

11. Official Functions

Organiser: “*International Workshop on GPI anchors in plasma membranes*”, Splügen (Switzerland), 1997.

Member of the Board of Directors, Institute of Biomedical Sciences, Lahore, Pakistan, 1999.

Invited speaker, Subgroup meeting (Raftology) of the 39th Annual meeting of the American Society of

Cell Biology (Washington, Dec. 11, 1999).

Invited speaker, European Life Scientists Organization (ELSO) Geneva, September 2000

Expert and Rapporteur, Marie-Curie International Fellowships, European Community, Brussels, 2003-

2005.

12. Funding

- OncoSuisse: *Mechanisms of B lymphoma cell elimination following anti-CD20 antibody (Rituximab) treatment*, 2001-2004; *Signaling adaptors in lymphoma cells: potential targets for therapeutic intervention*, 2004-2005;
- Swiss Cancer League, *Shedding of immunosuppressive molecules by tumour cells*, 1997-1999.
- Swiss National Fund for Scientific research : *Transmembrane interactions in lymphocytes*, 1983-2009.
- Tropical Disease Research, WHO: *Immunology of leishmaniasis*, 1990-1993
- Indo-Swiss Collaboration in Biotechnology: *Immunobiology of leprosy*, 1990-1997.
- Ligue genevoise pour la lutte contre la Tuberculose et les maladies pulmonaires, 1995.
- Fondation Schmidheiny, 1996.
- Ligue genevoise contre le Cancer, 1995, 2006 et 2008
- Ligue bernoise contre le Cancer, 2006-2007
- Société académique de Genève, 1996
- Jules Thorn Foundation, 1996-1997.
- UNDP/World Bank, Special Programme for Research and Training in Tropical Diseases (TDR, World Health Organisation), Director's Initiative Fund : *Studies on glycoproteins in the malarial parasite, P. falciparum: role of carbohydrates*. 1998
- Research Group Development Grant (University of Karachi, Pakistan): *Role of carbohydrates in immune response to Plasmodium falciparum and malaria vaccine (1998-1999)*.

13. Supervision of scientific projects:

- Diplômes de biologie (MS degrees): C. Lazzeri, 1988-1991; S. Arni, 1990-1992; A. Briol, 1993-1995; J. Rey, 1996-1997; K. Kulangara, 2000-2002 ; A. Moché, 2008.

PhDs in biology:

- Stéphane Arni**, 1992-1996, Doctorat en Biologie : *Rôle des phosphotyrosylations dans les interactions transmembranaires du lymphocyte T murin*. Université de Genève.
- Isabelle Semac**, 2000-2003, Doctorat en Immunologie : *Signalisation dans les lymphocytes B et T : Influence des protéines de surface CD20 et CD4 dans les microdomaines*. Université de la Méditerranée, Marseille (France)
- Sébastien Tauzin**, 2003-2008, Doctorat en Biologie et Physiopathologie : *Association oncogénique de Lyn et PAG dans les rafts de lymphomes B non-Hodgkiniens*. Université de Bordeaux I (France).

MD research degree :

- Fabien Hauser, 2002-2003 : *Expression augmentée de la protéine de signalisation Cbp/PAG dans les lymphomes malins*.

Participation in PhD theses juries:

- Marc Fivaz**, 2001. *Identification and endocytic membrane transport of GPI-anchored proteins*. Faculté des Sciences, Université de Genève
- Yann Percherancier**, 2002. *Etude des déterminants moléculaires impliqués dans l'adressage de CD4 et CCR5 : Importance pour l'infection VIH-1 et Etude du métabolisme nucléaire de I κ B α dans le contrôle de l'activation de NF- κ B*. Institut Pasteur, Paris, France.
- Marco Castelli**, 2003. *Maintenance of the phospho-proteome by the interplay of kinases and phosphatases*. Faculté des Sciences, Université de Genève
- Ambroise Wonkam**, 2003. *Expression forcée de la connexine 32 (Cx32) par les cellules β cause une augmentation post-natale du pancréas endocrine*. Faculté de Médecine, Université de Genève.

Komla Sobo, 2005. *Role and Characterization of raft-like domains in late endocytic compartments*. Faculty of Sciences, Université de Genève.

PUBLICATIONS

1. Original articles [impact factor]
1. **Hoessli, D.C.**, J.V. Olander and J.R. Little Heterologous recombination between mouse myeloma 315 heavy chains and rabbit antibody light chains. Structural and functional properties of the hybrid molecules. *J. Immunol.* (1974) **113**:1024-1032. [7.412]
2. Cone, R.E., **D.C. Hoessli** and R.W. Rosenstein Analysis of detergent-extracted membrane immunoglobulins of T and B lymphocytes by ultracentrifugation and column chromatography. *Immunochemistry* (1977) **14**:345-352. [2.33]
3. **Hoessli, D.C.**, A.P. Jones and B.H. Waksman Potentiation of the T lymphocyte response to mitogens. IV. Serum-free production and testing of macrophage soluble products. *Cell. Immunol.* (1977) **30**:319-326. [1.925]
4. **Hoessli, D.C.**, A.P. Jones, J.M. Eisenstadt and B.M. Waksman Studies on DNA release by cultured rat lymphoblasts. *Int. Arch. of Allergy and Immunol.* (1977) **54**:517-528. [1.331]
5. **Hoessli, D.C.**, E. Rungger-Brändle, B. Jockusch and G. Gabbiani Lymphocyte alpha-actinin: relationship to cell membrane and cocapping with surface receptors. *J. Cell Biol.* (1980) **84**:305-314. [12.48]
6. **Hoessli, D.C.**, C. Bron, and J.R.L. Pink T-lymphocyte differentiation is accompanied by increase in sialic acid content of Thy-1 antigen. *Nature* (1980) **283**:576-578. [27.074]
7. **Hoessli, D.C.** and P. Vassalli High molecular weight surface glycoproteins of murine lymphocytes. *J. Immunol.* (1980) **125**:1758-1763. [7.412]
8. **Hoessli, D.C.**, Vassalli, P. and J.R.L. Pink Characterisation of mouse thymocyte and peripheral lymphocyte xenoantigens by two-dimensional electrophoresis. *Eur. J. Immunol.* (1980) **10**:814-821. [6.015]
9. Tartakoff, A., **D.C. Hoessli** and P. Vassalli Intracellular transport of lymphoid surface glycoproteins. Role of the Golgi complex. *J. Mol. Biol.* (1981) **150**:525-535. [5.346]
10. Pink, J.R.L., **Hoessli, D.C.**, Tartakoff, A. and R.J. Hooghe Characterization of Concanavalin-A-binding glycoproteins from mouse splenic leucocytes by two-dimensional electrophoresis: preferential binding of incompletely glycosylated form of H-2 antigen to the lectin. *Mol. Immunol.* (1983) **20**:491-497. [2.33]
11. **Hoessli, D.C.** and E. Rungger-Brändle Isolation of plasma membrane domains from murine T-lymphocytes. *Proc. Natl. Acad. Sci. (USA)* (1983) **80**:439-443. [10.52]
12. Hooghe, R.J., **D.C. Hoessli** and M. Janowski Surface proteins of radiation-induced and radiation leukemia virus-induced lymphosarcoma in mice. *Leukemia Res.* (1983) **7**:205-219. [1.179]
13. Rungger-Brändle, E. and **D.C. Hoessli** Skeletal proteins of T lymphoma cell membranes. *J. Cell. Biochem.* (1985) suppl. **9B**, 18. [3.075]
14. **Hoessli, D.C.** and E. Rungger-Brändle Association of specific cell-surface glycoproteins with a Triton X-100 resistant complex of plasma membrane proteins isolated from T-lymphoma cells (P1798). *Exp. Cell Res.* (1985) **156**:239-250. [3.525]
15. Sekita, K.-I., Straub, C., **D.C. Hoessli** and R.H. Zubler B-cell stimulating activity of lymphoid cell membrane fractions. *Eur. J. Immunol.* (1988) **18**:1405-1503. [6.015]

16. **Hoessli, D.C.**, Poincelet, M. and Rungger-Brändle, E. Isolation of high-affinity murine interleukin 2 receptors as detergent-resistant membrane complexes. *Eur. J. Immunol.* (1990) **20**:1497-1503. [6.015]
17. Drager-Dayal, R., **Hoessli, D.C.**, Decrind, C., del Giudice, G., Lambert, P.-H. and Nasir-ud-Din Presence of O-glycosylated glycoproteins in *Plasmodium falciparum* parasite. *Carbohydrate Res.* (1991) **209**:c5-c8. [1.506]
18. Meier, T., Arni, S., Malarkannan, S., Poincelet, M. and **D.C. Hoessli** Immunodetection of biotinylated lymphocyte-surface proteins by enhanced chemiluminescence: a non-radioactive method for cell-surface protein analysis. *Anal. Biochem.* (1992) **204**:220-226. [1.996]
19. Nasir-ud-Din, Drager-Dayal, R., Decrind, C., Bei-Hong Hu, del Giudice, G. and **D.C. Hoessli** *Plasmodium falciparum* synthesizes O-glycosylated glycoproteins containing O-linked N-acetylglucosamine. *Biochem. Internat.* (1992) **27**:55-64. [0.596]
20. Nasir-ud-Din, Hassan, M., Quazi, M.H., Fayaz-ud-Din, Senaldi, G., **Hoessli, D.C.** and Walker-Nasir, E. *Plasmodium falciparum* synthesizes 43 kDa protein containing O-linked glucosamine. *Biochem. Soc. Transact.* (1992) **20**:388S. [1.275]
21. Qureshi, M.H., Quazi, M.H., Senaldi, G., **Hoessli, D.C.** and Nasir-ud-Din Further studies on *Plasmodium falciparum* glycoproteins: characterization of the 195 kDa glycoprotein. *Biochem. Soc. Transact.* (1993) **21**:185S. [1.275]
22. Arni, S., Senaldi, G., Poincelet, M., and **D.C. Hoessli** Selective association of the p59^{lyn} tyrosine kinase with murine T lymphoma membrane phosphoproteins. *Oncogene* (1993) **8**:2485-2491. [7.991]
23. Qazi, M.A., Senaldi, G., Tacchini-Cottier, F., Qazi, M.H., **Hoessli, D.C.**, Walker-Nasir, E. and Nasir-ud-Din Galactose residues in *Plasmodium falciparum* glycoproteins: incorporation and elimination. *Biochem. Soc. Transact.* (1994) **22**:362S. [1.275]
24. Nasir-ud-Din, Qazi, M.A., Senaldi, G., Khan, A.H., Mahmood, K., Mahmood, Z., Qazi, M.H., **Hoessli, D.C.** and E. Walker-Nasir Role of carbohydrates in malaria. *Pure and Appl. Chem.* (1994) **66**:2259-2262. [1.495]
25. Ilangumaran, S., Arni, S., Poincelet, M., Theler, J.-M., Brennan, P.J., Nasir-ud-Din and **D.C. Hoessli** Integration of mycobacterial lipoarabinomannans into glycosylphosphatidylinositol-rich domains of lymphomonocytic cell plasma membranes. *J. Immunol.* (1995) **155**:1334-1342. [7.412]
26. **Hoessli, D.C.**, Davidson, E., Schwarz, R.T. and Nasir-ud-Din. Glycobiology of *Plasmodium falciparum*: an emerging area of research. *Glycoconjugate J.* (1996) **13**:1-3. [2.065]
27. Ilangumaran, S., Robinson, P.J. and **Hoessli, D.C.** Transfer of glycosylphosphatidylinositol (GPI) anchored molecules to plasma membranes. *Trends in Cell Biol.* (1996) **6**:163-167. [12.748]
28. Ilangumaran, S., Arni, S., Chicheportiche, Y., Briol, A. and **D.C. Hoessli** Evaluation by dot-immunoassay of the differential distribution of cell surface and intracellular proteins in GPI-rich plasma membrane domains. *Anal. Biochem.* (1996) **235**:49-56. [1.996]
29. Yousefi, S., **Hoessli, D.C.**, Blaser, K., Mills, G.B. and H.-U. Simon Requirement of lyn and syk kinases for the prevention of apoptosis by cytokines in human eosinophils. *J. Exp. Med.* (1996) **183**:1407-1414. [15.126]
30. Ilangumaran, S., Robinson, P.J., and **D.C. Hoessli** Cell-cell transfer of GPI-linked molecules: reply. *Trends in Cell Biol.* (1996) **6**:251. [12.748]

31. Senaldi, G., Xiao-Su, H., **Hoessli, D.C.** and C. Bordier. Serological diagnosis of visceral leishmaniasis by dot enzyme immunoassay for the detection of *Leishmania donovani*-related circulating antigen. *J. Immunol. Methods* (1996) **193**:9-15. [1.901]
32. Arni, S., Ilangumaran, S., van Echten, G., Sandhoff, K., Poincelet, M., Briol, A. Rungger-Brändle, E. and **Hoessli, D.C.** Differential regulation of Src kinases in GPI domains of T lymphocyte plasma membranes. *Biochem. Biophys. Res. Comm.* (1996) **225**:801-807. [3.179]
33. Mahmood, K., Khan, A.H., Mahmood, Z., Ahmed, M., Nawaz, M., **Hoessli, D.C.** and Nasir-ud-Din Structural studies on sialylated oligosaccharides of bonnet monkey (*Macaca radiata*) luteal phase cervical mucus. *J. Chem. Soc. Pakistan.* (1996) **18**:237-245. [0.095]
34. Khan, A.H., **Hoessli, D.C.**, Atta-ur-Rahman, Davidson, E.A. and Nasir-ud-Din 2-amino-2-deoxy-D-mannose: concurrent inhibition of parasitemia and incorporation of 2-amino-2-deoxy-D-glucose into malarial glycoproteins of *Plasmodium falciparum*. *Nat. Prod. Letters* (1997) **10**:17-24. [4.387]
35. Mahmood, Z., Khan, A.H., Kasi, M.M., Mehmood, K., Khan, A.A., **Hoessli, D.C.**, Rungger-Brändle, E., Jeanloz, R.W. and Nasir-ud-Din Structural studies on sialylated oligosaccharides of bonnet monkey (*Macaca radiata*) luteal phase cervical mucus glycoprotein. *J. Chem. Soc. Pakistan* (1997) **19**:162-171. [0.095]
36. Ilangumaran, S., Briol, A. and **Hoessli, D.C.** Distinct interactions among GPI-anchored transmembrane and membrane-associated intracellular proteins, and sphingolipids in lymphocyte and endothelial cell plasma membranes. *Biochim. Biophys. Acta* (1997) **1328**:227-236. [2.5]
37. Khan, A.H., Qazi, A.M., **Hoessli, D.C.**, Torres-Duarte, A., Senaldi, G., Qazi, M.H., Walker-Nasir, E. and Nasir-ud-Din Carbohydrate moiety of a *Plasmodium falciparum* glycoprotein: the nature of the carbohydrate-peptide linkage in the MSP-2 glycoprotein. *Biochem. Mol. Biol. Internat.* (1997) **43**:655-668. [0.596]
38. **Hoessli, D.C.** and Robinson, P.J. GPI-anchors and cell membranes: a special relationship *Trends in Cell Biol.* (1998) **8**:87-89. [12.748]
39. Ilangumaran, S., Briol, A. and **Hoessli, D.C.** CD44 selectively associates with Src-family protein tyrosine kinases Lck and Fyn in glycosphingolipid-rich plasma membrane domains of human peripheral blood lymphocytes. *Blood* (1998) **91**:3901-3908. [8.569]
40. Ilangumaran, S. and **Hoessli, D.C.** Effects of cholesterol removal by cyclodextrin on the sphingolipid microdomains of the plasma membrane. *Biochem. J.* (1998) **335**:433-440. [4.159]
41. Ilangumaran, S., Arni, S., van Echten-Deckert, G., Borisch, B. and **Hoessli, D.C.** Microdomain-dependent regulation of Lck and Fyn protein tyrosine kinases in T lymphocyte plasma membranes. *Mol. Biol. Cell* (1999) **10**:891-905. [9.376]
42. Ilangumaran, S., Borisch, B. and **Hoessli, D.C.** Signal transduction via CD44: Role of plasma membrane microdomains. *Leukemia and Lymphoma* (1999) **35**:455-469 [0.96]
43. Ilangumaran, S., He, H.-T. and **Hoessli, D.C.** Plasma membrane microdomains in lymphocyte signaling: beyond glycosylphosphatidylinositol-anchored proteins. *Immunology Today* (2000) **21**:2-7 [25.228]
44. **Hoessli, D.C.**, Ilangumaran, S., Soltermann, A., Robinson, P.J., Borisch, B. and Nasir-ud-Din. Signaling through sphingolipid microdomains of the plasma membrane: the concept of signaling platform. *Glycoconjugate J.* (2000) **17**:191-197. [2.065]

45. Shabaana, A.K., Venkatasubramani, R., Sanker Narayan, NP, **Hoessli, D.C.** and Dharmalingam, K.D. Cytokine profiles in paraffin-embedded biopsy samples of lepromatous leprosy patients: semi-quantitative measurement of cytokine mRNA. *Int. J. Leprosy* (2001) **69**:204-215 [0.538]
46. Percherancier, Y., B. Lagane, T. Planchenault, I. Staropoli, R. Altmeyer, J.-L. Virelizier, F. Arenzana-Seisdedos, **D.C. Hoessli**, and F. Bachelier. CD4 and CCR5 HIV-1 receptors function independently of their distribution in detergent-resistant microdomains/rafts of the plasma membrane. *J. Biol. Chem.* (2003) **278**:3153-3161[7.452]
47. **Hoessli, D.C.**, Poincelet, M., Gupta, R., Ilangumaran, S. and Nasir-ud-Din. *P. falciparum* merozoite surface protein 1: glycosylation and localisation to low-density, detergent-resistant membranes in the parasitized erythrocyte. *Eur. J. Biochem.* (2003) **270**:366-375 [3.275]
48. Semac, I., Palomba, C. Kulangara, K., Klages, N., van Echten-Deckert, G., Borisch, B. and **Hoessli, D.C.** Perturbation of plasma membrane rafts/microdomains following in vitro exposure of B lymphoma cells to anti-CD20 therapeutic antibody. *Cancer Res.* (2003) **63**:534-540 [8.958].
49. Borisch, B., Yerly, S., Cerato, Ch., Schwaller, J., Wacker, P., Ozsahin, AH., Brousse N. and **Hoessli, DC.** ALK-positive anaplastic large-cell lymphoma: strong T and B anti-tumor responses may cause hypocellular aspect of lymph node mimicking inflammatory lesions. *Eur. J. Hematol.* (2003) **71**:243-249 [1.714].
50. Nasir-ud-Din, **Hoessli, D.C.**, Rungger-Brändle, E., Hussain, S.A. and Walker-Nasir, E. Role of sialic acid and sulfate groups in cervical mucus physiological functions : study of *Macaca radiata* glycoproteins. *Biochim. Biophys. Acta.* (2003) **1623**:53-61 [2.557].
51. **Hoessli, D.C.**, Semac, I., Iqbal, A., Nasir-ud-Din and Borisch B. Glycosphingolipid clusters as organizers of plasma membrane rafts and caveolae. *Curr. Org. Chem* (2004) **8**:439-452 [3.961].
52. Nasir-ud-Din, Ahmad, I., Iqbal A., and **Hoessli, D.C.** Combinatorial metabolism in *Plasmodium falciparum*-infected erythrocyte and interplay of glycosylation and phosphorylation. *Curr. Org. Chem* (2004) **8**:453-461 [3.961].
53. Shabaana, A.K., Kulangara, K., Semac, I., Parel, Y., Ilangumaran, S., Dharmalingam, K., Chizzolini, C. and **Hoessli, D.C.** Mycobacterial lipoarabinomannans modulate cytokine production in T helper cells by interfering with raft/microdomain signalling *Cell. Mol. Life Sci.* (2005) **62**:179-187 [4.995]
54. Ahmad, I., **Hoessli, D.C.**, Walker-Nasir, E., Rafik, S. M., Shakoori A.R. and Nasir-ud-Din. Oct-2 DNA binding transcription factor: functional consequences of phosphorylation and glycosylation. *Nucleic acids Res.* (2006) **415**:175-184 [7.2]
55. Ahmad, I., **Hoessli, D. C.**, Walker-Nasir, E., Choudhary, M. I., Rafik, S. M., Shakoori, A.R. and Nasir-ud-Din. Phosphorylation and Glycosylation Interplay: Protein Modifications at Hydroxy Amino Acids and Prediction of Signaling Functions of the Human β_3 Integrin Family. *J. Cellular Biochem.* (2006) **99**:708-716 [3.102]
56. Ahmad, I., **Hoessli, D.C.**, Gupta, R., Walker-Nasir, E., Rafik, S.M., Choudhary, M. I., Shakoori, A.R. and Nasir-ud-Din. *In silico* determination of intracellular glycosylation and phosphorylation sites in human selectins: implications for biological function. *J. Cellular Biochem.* (2007) **100**:1558-1572 [3.102]
57. Walker-Nasir, E., Ahmad, I., Saleem, M. and **Hoessli, D.C.** Glycosyltransferase and glypiation inhibitors. *Curr. Org. Chem* (2007) **11**:591-607 [3.961]

58. Nasir-ud-Din, Ahmad, I., **Hoessli, D.C.**, Walker-Nasir, E. and Choudhary, M.I. Glycosylphosphatidyl inositol (GPI) anchored proteins of *Plasmodium falciparum*: antigenic determinants and role of sugar moieties in the GPI anchor. *Curr. Org. Chem.* (2007) **11**:609-618 [3.961].
59. **Hoessli, D.C.**, Tauzin, S., Nasir-ud-Din and Borisch, B. Functional and structural roles of GPI moieties in mammalian plasma membranes. *Curr. Org. Chem.* (2007) **11**:619-626. [3.961]
60. **Hoessli, D.C.**, Tauzin, S., Khatib, K., Ding, H. and Borisch, B. Interference of Rituximab with plasma membrane domain organisation and transmembrane signaling in lymphoma cells. In Rituximab-mediated molecular signalling and interaction with therapeutic drugs. *Research Signpost* (2007) 91-103, B. Bonavida ed.
61. Khwaja, T.A., Wahajat, T., Ahmad, I., **Hoessli, D.C.**, Walker-Nasir, E., Kaleem, A., Qazi, W.M., Shakoori, A.R. and Nasir-ud-Din. In silico modulation of apoptotic Bcl-2 proteins by mistletoe lectin-1: Functional consequences of protein modifications. *J. Cellular Biochem.* (2008) **103**:479-491. [3.102]
62. Kaleem, A., **Hoessli, D.C.**, Ahmad, I., Walker-Nasir, E., Shakoori, A.R. and Nasir-ud-Din. Immediate-early gene regulation by interplay between different post-translational modifications on human histone H3. *J. Cellular Biochem.* (2008) **103** :835-851. [3.102]
63. Tauzin, S., Ding, H., Khatib, K., Ahmad, I., Burdevet, D, van Echten-Deckert, G., Lindquist, J., Nasir-ud-Din, Borisch, B. and **Hoessli, D.C.** Oncogenic association of the Cbp/PAG signaling adaptor with the Lyn kinase in human B-NHL cell rafts. *Blood* (2008) **111**:2310-2320. [10.3]
64. Ahmad I, **Hoessli DC**, Qazi WM, Khurshid A, Mehmood A, Walker-Nasir E, Ahmad M, Shakoori AT, Nasir-ud-Din. MAPRes: an efficient method to analyze protein sequence around post-translational modification sites. *J Cell Biochem* (2008) **104**:1220-31. [3.102]
65. Nasir-ud-Din; Ahmad, I.; Khan, T.S.; **Hoessli, D.C.**; Walker-Nasir, E., Kaleem, A.; Shakoori, A.R. In Silico Modulation of HMGN-1 Binding to Histones and Gene Expression by Interplay of Phosphorylation and O-GlcNAc Modification. *Protein and peptide Lett.*(2008) **15**:193-199. [1.13]
66. Ahmad, I., Qazi, W.M., Kurshid, M., Ahmad, M., **Hoessli, D.C.**, Khawaja, I., Shakoori, A.R. and Nasir-ud-Din. MAPRes : Mining association patterns among preferred amino acid residues in the vicinity of amino acids targeted for post-translational modifications. *Proteomics* (2008). [5.735]
67. **Hoessli, D.C.** and Ahmad, I. Mistletoe lectins: Carbohydrate-specific apoptosis inducers and immunomodulators. *Curr. Org. Chem.* (2008) **12** :918-925 [3.102]
68. Walker-Nasir, E., Kaleem A., **Hoessli, DC**, Khurshid, A. and Nasir-ud-Din. Galactose: a specifically recognized, terminal carbohydrate moiety in biological processes. *Curr. Org. Chem.* (2008) **12** : 940-956 [3.961].
69. Nasir-ud-Din, Ahmad, I., Shakoori, AR, and **Hoessli, DC**. Developing protein structure-function relationships. *Curr. Org. Chem.* (2008) **12** :957-971 [3.961].
70. Tauzin, S., Ding, H., Borisch, B. and **Hoessli, DC**. Signaling in human B-lymphoma rafts. *Immunology, Endocrine and Metabolic Agents* (2008) **8**:366-374 [4.944].
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