

## List of Publications, Prof. Dr. A. Hemphill

### Original refereed papers

Schneider, A., **A. Hemphill**, T. Wyler, and T. Seebeck. 1988. Large microtubule-associated protein of *T. brucei* has tandemly repeated, near identical sequences. *Science*. 241: 459-462.

**Hemphill, A.**, D. Lawson, and T. Seebeck. 1991a. The cytoskeletal architecture of *Trypanosoma brucei*. *Journal of Parasitology*. 77: 603-612

**Hemphill, A.**, T. Seebeck, and D. Lawson. 1991b. The *Trypanosoma brucei* cytoskeleton: Ultrastructure and localization of microtubule-associated and spectrin-like proteins using quick-freeze, deep-etch immunogold electron microscopy. *Journal of Structural Biology*. 107: 211-220.

Mueller, N., **A. Hemphill**, M. Imboden, G. Duvallet, R. Dwinger, and T. Seebeck. 1991. Identification and characterization of two repetitive non-variable antigens from African trypanosomes which are recognized early during infection. *Parasitology*. 104: 111-120

**Hemphill, A.**, M. Affolter, and T. Seebeck. 1992. A novel microtubule-binding motif identified in a high molecular weight microtubule associated protein from *Trypanosoma brucei*. *Journal of Cell Biology*. 117: 95-103.

Rindisbacher, L., **A. Hemphill**, and T. Seebeck. 1993. A repetitive protein from *Trypanosoma brucei* which caps the microtubules at the posterior end of the cytoskeleton. *Molecular and Biochemical Parasitology*. 58: 83-96.

**Hemphill, A.**, I. Frame, and C. A. Ross. 1994. The interaction of *Trypanosoma congolense* with endothelial cells. *Parasitology*. 109: 631-641.

Affolter, M., **A. Hemphill**, I. Roditi, N. Mueller, and T. Seebeck. 1994. The repetitive microtubule associated protein MARP-1 and MARP-2 of *Trypanosoma brucei*. *Journal of Structural Biology*. 112: 241-251.

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**Hemphill, A.**, and B. Gottstein. 1995. Immunology and morphology studies on the proliferation of *in vitro* cultivated *Echinococcus multilocularis* metacestodes. *Parasitology Research*. 81: 605-614

**Hemphill, A.**, and N. E. Williams. 1995. Tetrin-related proteins in the basal bodies of African trypanosomes. *Acta Protozoologica* 34: 319-324

**Hemphill, A.**, Gottstein B. and H. Kaufmann. 1996. Adhesion and invasion of bovine endothelial cells by *Neospora caninum*. *Parasitology*. 112: 183-197

**Hemphill, A.** and B. Gottstein. 1996. Identification of a major surface protein on *Neospora caninum* tachyzoites. *Parasitology Research* 82: 497-504

**Hemphill, A.**, S. Staeger, B. Gottstein, and N. Mueller. 1996. Electron microscopical investigation of surface alterations on *Giardia lamblia* trophozoites after exposure to a cytotoxic monoclonal antibody. *Parasitology Research* 82: 206-210

**Hemphill, A.** 1996. Subcellular localization and functional characterization of Nc-p43, a major *Neospora caninum* tachyzoite surface protein. *Infection and Immunity* 64: 4279-4287.

Detmer, E., **A. Hemphill**, N. Mueller, and T. Seebeck. 1997. The *Trypanosoma brucei* autoantigen I/6 is an internally repetitive cytoskeletal protein. *European Journal of Cell Biology* 72: 378-384

Ruepp, S., A. Furger, U. Kurath, Ch. Kunz Renggli, **A. Hemphill**, R. Brun, and I. Roditi. 1997. Survival of *Trypanosoma brucei* in the tsetse fly is enhanced by the expression of specific forms of procyclin. *Journal of Cell Biology* 137: 1369-1379

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**Hemphill, A.**, N. Fuchs, S. Sonda, B. Gottstein and B. Hentrich. 1997. Identification and partial characterization of a 36 kD surface protein on *Neospora caninum* tachyzoites. *Parasitology* 115: 371-380

**Hemphill, A.**, R. Felleisen, B. Connolly, B. Gottstein, B. Hentrich, and N. Müller. 1997. Characterization of a cDNA clone encoding Nc-p43, a major *Neospora caninum* surface protein. *Parasitology* 115:581-590

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**Hemphill, A.**, N. Gajendran, S. Sonda, N. Fuchs, B. Gottstein, B. Hentrich and Mark Jenkins. 1998. *Neospora caninum* tachyzoites: Identification and partial characterization of a novel dense granule-associated protein. *International Journal of Parasitology* 28: 429-438

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Mueller, N, H. Sager, **A. Hemphill**, H. Mehlhorn, A. O. Heydorn, and B. Gottstein. 2001. Comparative molecular investigation of Nc5-PCR amplicons from *Neospora caninum* NC-1 and *Hammondia heydorni* Berlin 1996. *Parasitology Research* 87: 883-885.

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