

## F. APPENDIX

### F.1. Statement

Hiermit erkläre ich dass ich die vorliegende Dissertation selbstständig durchgeführt habe. Ich habe keine Hilfsmittel und Hilfern als der in der Arbeit angegebenen verfasst. Des weiteren versichere ich, dass die vorliegende Arbeit an keiner anderen Universität eingereicht wurde.

### F.2. Publications

**Smirnova L**, Gräfe A, Seiler A, Schumacher S, Nitsch R, and Wulczyn FG (2005). *Regulation of miRNA expression during neural cell specification*. Eur. J. Neurosci. 21, 1469-1477.

Wulczyn FG\*, **Smirnova L**\*, Rybak A, Brandt C, Kwidzinski E, Ninnemann O, Strehle M, Seiler A, Schumacher S, and Nitsch R. (2007). *Post-transcriptional regulation of the let-7 microRNA during neural cell specification*. FASEB J. 21, 415-426. (\* These authors contributed equally to this work).

Rybak A, **Smirnova L**, Fuchs H, Schumacher S, Nitsch R, and Wulczyn FG. *Regulation of the mouse lin-41 homolog Trim-71 by the let-7 miRNA in mouse development*. in preparation.

Rybak A, **Smirnova L**, Fuchs H, Schumacher S, Nitsch R, and Wulczyn FG. *Function of the Trim-71/let-7 regulatory interaction in mouse stem cell niches*. in preparation.

Fuchs H, Rybak A, **Smirnova L**, Schumacher S, Nitsch R, and Wulczyn FG. *Role of mir-128 in neural development of the mouse and chicken*. in preparation.

### F.3. Poster presentations

Wulczyn G, **Smirnova L** and Nitsch R. *microRNA as regulators of neural cell fate determination and development*. **The Berlin Neuroscience Forum (BNF) 2004**. Liebenwalde (Germany), April 2004.

**Smirnova L**, Wulczyn G and Nitsch R. *Regulation of microRNA expression during neural cell specification*. **4<sup>th</sup> Forum of Federation of European Neurosciences (FENS)**. Lisbon (Portugal), July 2004.

**Smirnova L**, Wulczyn G and Nitsch R. *Regulation of microRNA expression during neural cell specification*. **Final Symposium GRK 238 "Damage cascades in neurological disorders - studies with imaging techniques"**. Berlin (Germany), November 2004.

Wulczyn G, **Smirnova L**, Graefe A and Nitsch R. *Regulation and function of microRNA in neural cell specification*. **Göttingen Neurobiology Conference**, Göttingen, (Germany), April 2005.

**Smirnova L**, Rybak A, Fuchs H, Nitsch R and Wulczyn G. *Regulation and function of let-microRNA during neural differentiation*. **BNF 2006**. Liebenwalde (Germany), June 2006.

Rybak A, **Smirnowa L**, Fuchs H, Nitsch R and Wulczyn GF. *microRNA expression and function during mouse CNS development*. **BNF 2006**. Liebenwalde (Germany), June 2006.

**Smirnova L**, Rybak A, Fuchs H, Nitsch R and Wulczyn G. *Regulation and function of let-microRNA during neural differentiation*. **5<sup>th</sup> FENS Forum**. Vienna (Austria), July 2006.

Rybak A, **Smirnowa L**, Fuchs H, Nitsch R and Wulczyn GF. *microRNA expression and function during mouse CNS development*. **5<sup>th</sup> FENS Forum**. Vienna (Austria), July 2006.