Erratum

Recent Advances in Prolactin Research
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The Publisher regrets to inform that the addendum of the chapter 4 is currently missing and should read as given below:
During the review process of the manuscript a paper was published, characterizing plasminogen activator inhibitor-1 (PAI-1) as a mediator of the antiangiogenic effects of 16K PRL (1). In this paper, it is reported that PAI-1 is a binding partner of 16K PRL and that the antiangiogenic activity of 16K PRL is lost in PAI-1 KO mice and restored upon re-expression of PAI-1. In addition, 16K PRL demonstrated profibrinolytic effects by reducing the antifibrinolytic effects of PAI-1 in vitro and was demonstrated to exert a thrombolytic effect in vivo. These novel insights raise important functional implications not only for 16K PRL, but also for the other members of the vasoinhibin family, such as smaller (14K PRL) and larger (18K PRL) PRL fragments, and similar molecules derived from growth hormone and placental lactogen (2). It is possible that the mediation of antiangiogenic effects after binding to PAI-1 is not restricted to 16K PRL, but applies for the whole vasoinhibin family of antiangiogenic peptides.

1. Bajou K, Herkenne S, Thijssen VL, D'Amico S, Nguyen NQ, Bouche A, Tabruyn S, Srahna M, Carabin JY, Nivelles O, Paques C, Cornelissen I, Lion M, Noel A, Gils A, Vinckier S, Declerck PJ, Griffioen AW, Dewerchin M, Martial JA, Carmeliet P, Struman I (2014) PAI-1 mediates the antiangiogenic and profibrinolytic effects of 16K prolactin Nature Medicine. 20 (7):741-747.

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2. Clapp C, Thebault S, Jeziorski MC, Martinez De La Escalera G (2009) Peptide hormone regulation of angiogenesis. Physiological reviews 89 (4): 1177-1215.

Also, in the last paragraph, the grant number “179496” should be substituted for “179506”.

The online version of the original book can be found at
http://dx.doi.org/10.1007/978-3-319-12114-4

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