Towards a system-based pharmacology approach to predict developmental changes in renal drug clearance in children

Cock, R.F.W. de

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Roosmarijn De Cock

2014

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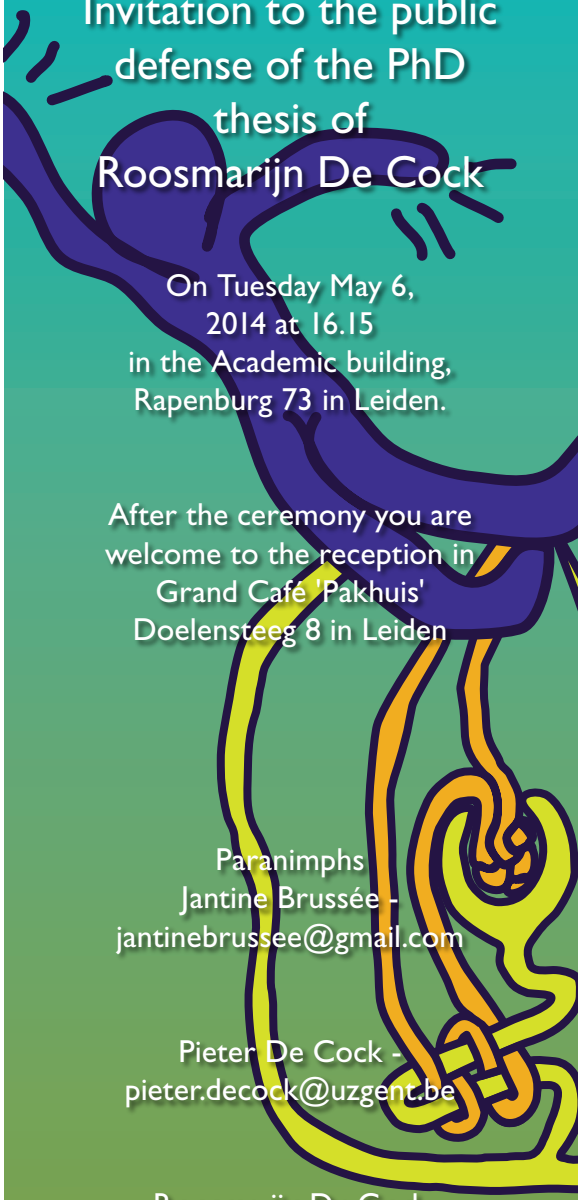
Uitnodiging

Invitation to the public defense of the PhD thesis of Roosmarijn De Cock

On Tuesday May 6,
2014 at 16.15
in the Academic building,
Rapenburg 73 in Leiden.

After the ceremony you are welcome to the reception in Grand Café 'Pakhuis' Doelensteeg 8 in Leiden



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Stellingen behorende bij het proefschrift:

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1. Klaring van renaal geëlimineerde antibiotica in neonaten kan worden voorspeld op basis van geboortegewicht, postnatale leeftijd en de interactie met ibuprofen. *– dit proefschrift*

2. Maturatie van de glomerulaire filtratiesnelheid van neonaten tot volwassenen kan worden beschreven met een lichaamsgewicht-afhankelijke exponentiële functie. *– dit proefschrift*

3. Pediatrische covariaat modellen bevatten systeem-specifieke informatie over de ontwikkeling in de onderliggende fysiologische processen. *– dit proefschrift*

4. Wetenschappelijk onderbouwde doseerregimes moeten worden gebaseerd op populatie PK-PD modellen en moeten prospectief worden geëvalueerd. *– dit proefschrift*

5. It is worth considering that every infant treated with a drug without trial-confirmed efficacy is participating in an experiment, an experiment where n=1, with no institutional review board oversight, no informed consent and no possibility that the results of the experiment can benefit any other child. *– S. Orenstein*

6. Pediatrics does not deal with miniature men and women, but has it own independent range and horizon. *– Abraham Jacobi*

7. The purpose of models is not to fit the data, but to sharpen the questions. *– Samuel Karlin*

8. It is a capital mistake to theorize before one has data. Insensibly one begins to twist facts to suit theories, instead of theories to suit facts. *– Sir Arthur Conan Doyle*

9. The greatest obstacle to discovery is not ignorance, but the illusion of knowledge. *– Daniel Boorstin*

10. Courage does not always roar. Sometimes courage is the quiet voice at the end of the day saying "I will try again tomorrow". *– Mary Anne Radmacher*