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Towards personalized management of drug interactions: from drug-drug-interaction to drug-drug-gene-interaction

Bahar, Akbar

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**Towards personalized management of drug interactions:
from drug-drug-interaction to drug-drug-gene-interaction**

Muh. Akbar Bahar

Paranymphs

Ivan Surya Pradipta

Sylvi Irawati

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...to my family, my teachers, and my friends.



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**Towards personalized management of drug interactions:
 from drug-drug-interaction to drug-drug-gene-interaction**

PhD thesis

to obtain the degree of PhD at the
 University of Groningen
 on the authority of the
 Rector Magnificus Prof. C. Wijmenga
 and in accordance with
 the decision by the College of Deans.

This thesis will be defended in public on
 Tuesday 4 February 2020 at 11.00 hours

by

Muh. Akbar Bahar

born on 16 May 1986
 in Ujung Pandang, Indonesia

Supervisors

Prof. B. Wilffert
Prof. E. Hak

Assessment Committee

Prof. A. H. Maitland-Van Der Zee
Prof. D. J. Touw
Prof. E. N. Van Roon

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