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Systematic investigations into the role of ceramide subclass composition on lipid organization and skin barrier

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**Systematic investigations into the role of ceramide
subclass composition on lipid organization
and skin barrier**

Andreea Nădăban

Systematic investigations into the role of ceramide subclass composition on lipid organization and skin barrier

PhD thesis with summary in Dutch

The research described in this thesis was performed at the division of BioTherapeutics of the Leiden Academic Centre for Drug Research (LACDR), Leiden University (Leiden, The Netherlands). The research was financially supported by the National Institutes of Health (National Institute of Arthritis and Musculoskeletal and Skin Diseases, U.S.A.), grant number R01AR072679.

Cover image: A schematic representation of the epidermis, the upper layer of the skin. Stratum corneum (SC) is the top layer of the epidermis and it consists of corneocytes embedded in a lipid matrix. The zoomed in section shows an illustration of the SC lipids, which represent the main focus of this thesis. Some elements of the cover image were obtained from iStock photo.

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Dr. J. van Smeden

To my parents

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