



UvA-DARE (Digital Academic Repository)

Non-contact spectroscopic age determination of bloodstains

Bremmer, R.H.

Publication date
2011

[Link to publication](#)

Citation for published version (APA):

Bremmer, R. H. (2011). *Non-contact spectroscopic age determination of bloodstains*. [Thesis, fully internal, Universiteit van Amsterdam].

General rights

It is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), other than for strictly personal, individual use, unless the work is under an open content license (like Creative Commons).

Disclaimer/Complaints regulations

If you believe that digital publication of certain material infringes any of your rights or (privacy) interests, please let the Library know, stating your reasons. In case of a legitimate complaint, the Library will make the material inaccessible and/or remove it from the website. Please Ask the Library: <https://uba.uva.nl/en/contact>, or a letter to: Library of the University of Amsterdam, Secretariat, P.O. Box 19185, 1000 GD Amsterdam, The Netherlands. You will be contacted as soon as possible.

PUBLICATION LIST

Forensic Quest for Age Determination of Bloodstains, A Review.

Rolf H Bremmer, Karla G de Bruin, Martin JC van Gemert, Ton G van Leeuwen and Maurice CG Aalders

Forensic Science International, submitted.

Age estimation of bloodstains by hemoglobin derivative determination using reflectance spectroscopy.

Rolf H Bremmer, Annemarie Nadort, Martin JC van Gemert, Ton G van Leeuwen and Maurice CG Aalders

Forensic Science International, **206** 166-171 (2011).

Remote Spectroscopic Identification of bloodstains.

Rolf H Bremmer, Gerda Edelman, Tessa Dijn Vegter, Ted Bijvoets, Maurice CG Aalders
Journal of Forensic Science, in print (2011).

Non-contact spectroscopic determination of large blood volume fractions in turbid media.

Rolf H Bremmer, Stephan C Kanick, Nick Laan, Arjen Amelink, Ton G van Leeuwen, Maurice CG Aalders

Biomedical Optics Express, **2** 2 396-407 (2011).

Biphasic Oxidation of oxy-hemoglobin in bloodstains.

Rolf H Bremmer, Daniel M de Bruin, Maarten de Joode, Wybren Jan Buma, Ton G van Leeuwen, Maurice CG Aalders

PLoS One, submitted.

Photon path length distribution model for reflectance spectroscopy.

Rolf H Bremmer, Wouter Smeets, Martin JC van Gemert, Ton G van Leeuwen, Maurice CG Aalders

Optics Letters, submitted.

Can diffusion approximation be valid beyond its assumed borders?

Rolf H Bremmer, Martin JC van Gemert, Ton G van Leeuwen, Maurice CG Aalders
In preparation.

Co-authored publications, not described in this thesis

Optical phantoms of varying geometry based on thin building blocks with controlled optical properties.

Daniel M de Bruin, Rolf H Bremmer, Vitali M Kodach, Roy de Kinkelder, Jan van Marle, Ton G van Leeuwen, Dirk J Faber

Journal of Biomedical Optics **15** (2010).

Heat conduction from the exceedingly hot fiber tip contributes to the endovenous laser ablation of varicose veins.

Renate R. van den Bos, Michale A Kockaert, Martino HA Neumann, Rolf H Bremmer, Tamar Nijsten, Martin JC van Gemert

Lasers in Medical Science 2009 **24**(2) 247-251.

Volume determination of bloodstains with Optical Coherence Tomography and implications for Bloodstain Pattern Analysis.

Nick Laan, Rolf H Bremmer, Maurice CG Aalders, Karla G de Bruin

Forensic Science International, in preparation.