Luminiscent Metal Complexes for Diagnostic Applications
Staffilani, M.

Citation for published version (APA):
Staffilani, M. (2002). Luminiscent Metal Complexes for Diagnostic Applications 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: http://uba.uva.nl/en/contact, or a letter to: Library of the University of Amsterdam, Secretariat, Singel 425, 1012 WP Amsterdam, The Netherlands. You will be contacted as soon as possible.
Acknowledgements

The research described in this Thesis is the result of a work that could not be done without the collaboration of several people, whose scientific and practical contribution have been fundamental.

Among them, I want to thank first of all Prof. Luisa De Cola, who gave me the opportunity to start a research project at Roche Diagnostics GmbH in Germany, that became the beginning of this PhD work. I am grateful to her for the supervision and the possibility she gave me to do an international research experience in an industrial as well as academic environment.

I would like to thank Dr. Hans-Peter Josel for supervising my work during the two years I spent at Roche and for supporting our research on electrochemiluminescence labels during the administrative changes at the company. I am also grateful to him and to Dr. Rupert Herrmann for giving me the possibility to spend part of my PhD by the University of Amsterdam.

Dr. František Hartl was my supervisor at the University of Amsterdam during the last two years. I am particularly grateful to him for his great enthusiasm for research and for his enormous scientific and moral support!

I want to thank Dr. Cees Kleverlaan for introducing me to the concepts and techniques of transient spectroscopy and for his scientific contribution to the research described in this Thesis. Grazie Cees, anche per le serate e le chiacchiere al pub!

Prof. Peter Belser provided me the dinuclear complexes described in Chapters 6 and 7, that gave me the opportunity to enjoy physicochemical measurements, from electrochemistry to femtosecond transient absorption spectroscopy. I thank him and his co-worker, Nunzio Salluce, for the laborious syntheses they did.

The monometallic complexes described in Chapters 3 and 5 were provided by Prof. Fritz Vögtle and his co-workers Dr. Jörg Issberner, Dr. Paul-Michael Windscheif and Uwe Hahn. I enjoyed very much working with Uwe during his stay at the University of Amsterdam, and I thank him for the nice collaboration.

I want to express my gratitude for Dr. Eva Höss, for her helpful advises on peptidic chemistry and for the daily driving to Penzberg. I thank very much her co-workers Gabi Schwab, Karin Klupsch, Gerhard Fink and Harald Peschel for synthesising the ruthenium complexes conjugated to a progesterone molecule and for performing the heterogeneous assays described in Chapter 4. Harald, thank you also for your great moral support, and for teaching me skiing!

I am sincerely grateful to Dr. Ulla Giesen for the enthusiastic and very helpful discussions on electrochemiluminescence, and for the nice conversations we had in Tutzing.
Dr. Gabi Pestlin and her co-workers performed the MALDI mass spectra. Gabi, I am very grateful to you for your good advices and all the support you gave me.

Among all the other people in Roche, who contributed to my research, I want to thank Peter Rödl for performing preparative HPLC, and Angie Puhlmann and Thomas Duelffer for measuring a number of ESI mass spectra.

Markus Scholz, Sven Winkler and Gunter Lampert are the colleges who shared with me the daily work in the lab for two years. I sincerely thank you all for your patience, great help, and for the nice time we had together. I thank also Hans Hermann and Silvia Herold for their kindness and friendship.

Many more are the people who contributed to this Thesis work. Among them, I want to thank John van Ramesdonk for his patience and kindness any time I asked him help for the time-resolved spectroscopic measurements, Dr. Mikhail Zimine for performing the femtosecond transient absorption spectroscopy described in Chapter 7, Dr. René Williams for the scientific discussions.

I want to thank Theo Snoeck, Taasjé Mahabiersing, Jan Meine Ernsting, Hans-Werner Frühauf, Henk Luyten, Ron Groenestein, Gerrie Braspenninng, Loes Swaning, Marijke Duyvendak, Rickey Tax, Stephen Vandenbijlaard, Ankie Koeberg-Telder, and also Dorette, Sander, Wim, Marcel van E., Marcel D., Martijn, Tehila, Jeroen S., Jeroen de P, Boke.

Anouk, Başak, Mike, Steve, Edward, Ron, and for a shorter period, Arianna and Mirco, were the people who shared with me joys and difficulties during my PhD time in Amsterdam and I am grateful to them for the nice time we spent together.

I am grateful to Frank, who shared with me the office during the last months of the PhD. With his jokes, he made the writing of the Thesis a more pleasant work! I sincerely thank him and Gwenda for their enormous support and their friendship.

Un grazie ad Arianna e Loredana, amiche carissime che mi stanno sempre vicine, e anche a Carmen, Barbara, Adela.

I am grateful to Sophie, Bas, Wietske and Rob for their kind support and the nice dinners together.

Un grazie particolare è rivolto a Libera, Alessandro, Francesca, Massimo e alla nonna Palmina, che sostengendomi in tutte le mie scelte hanno reso questo dottorato possibile da conseguire.

In fine, voglio ringraziare Joris, il cui amore e stima sono stati per me un forte sostegno, ineguagliabile.

Mara