

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5514804

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Eric M. Gale	12/21/2018
Peter Caravan	12/21/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	The General Hospital Corporation
<b>Street Address:</b>	55 Fruit Street
<b>City:</b>	Boston
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02114
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15751617
<b>CORRESPONDENCE DATA</b>	
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<b>Address Line 1:</b>	FISH & RICHARDSON P.C.
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<b>Address Line 4:</b>	MINNEAPOLIS, MINNESOTA 55440-1022
<b>ATTORNEY DOCKET NUMBER:</b>	40978-0032US1
<b>NAME OF SUBMITTER:</b>	CHRISTINE M. GRACE
<b>SIGNATURE:</b>	/Christine M. Grace/
<b>DATE SIGNED:</b>	05/09/2019
<b>Total Attachments: 4</b>	
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ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, ERIC M. GALE, and PETER CARAVAN, each individually assign to THE GENERAL HOSPITAL CORPORATION, a corporation formed under the laws of Massachusetts and having a principal place of business at 55 Fruit Street, Boston, MA 02114, and its successors, transferees, and assignees (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the invention(s) (the "Subject Matter") described in a patent application that names us as inventors, is titled "MANGANESE-BASED CHELATE CONJUGATES FOR MOLECULAR MR IMAGING," and was or will be filed in the United States Patent and Trademark Office on February 9, 2018, as application 15/751,617 (the "Application").

This Assignment assigns, in addition to the Subject Matter of the Application, (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region and under every treaty or convention, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

We will communicate to the Assignee (or, at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter; will execute and provide all oaths and

declarations, statements, testimony, assignments, powers of attorney, applications, and documents; and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

Eric M. Gale

Eric M. Gale

DATE: 12/21/18

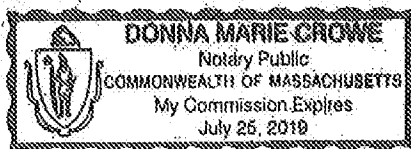
The Commonwealth of Massachusetts

Eric M. Gale ss.



On this 21 day of December, 2018, before me, the undersigned notary public, personally appeared Eric M. Gale, proved to me through satisfactory evidence of identification, which were Drivers License, to be the person(s) whose name(s) is/are signed on the preceding or attached document, and acknowledged to me that he signed it voluntarily for its stated purpose.

Donna Marie Crowe  
Notary Public



*Peter Caravan*  
Peter Caravan

DATE: 12/21/18

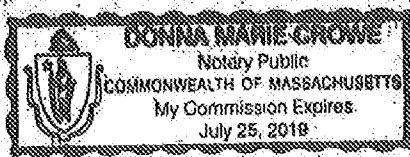
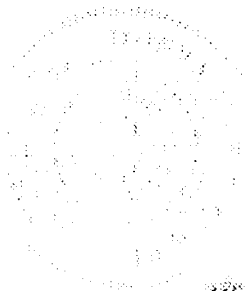
The Commonwealth of Massachusetts

Suffolk ss.



On this 21 day of December, 2018, before me, the undersigned notary public, personally appeared Peter Caravan, proved to me through satisfactory evidence of identification, which were Drivers License, to be the person(s) whose name(s) is/are signed on the preceding or attached document, and acknowledged to me that he signed it voluntarily for its stated purpose.

*Donna Marie Crowe*  
Notary Public



The Assignee hereby acknowledges and accepts the foregoing assignment.

Assignee: THE GENERAL HOSPITAL CORPORATION

Signature: Bruce W. Tedeschi Date: 4/9/19

Name: Bruce Tedeschi Bruce W. Tedeschi, PhD, JD

Title: Director of IP Director, Innovation  
~~The General Hospital Corporation~~

The Commonwealth of Massachusetts

Middlesex ss.



On this 9<sup>th</sup> day of April, 2019, before me, the undersigned notary public, personally appeared Bruce W. Tedeschi, proved to me through satisfactory evidence of identification, which were RF Driver's Lic., to be the person(s) whose name(s) is/are signed on the preceding or attached document, and acknowledged to me that he signed it voluntarily for its stated purpose.

Lucy E. Tedeschi  
Notary Public

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