

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT4657451

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MICHAEL EMES	11/10/2014
IAN TETLOW	11/10/2014
FUSHAN LIU	11/10/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	UNIVERSITY OF GUELPH
<b>Street Address:</b>	50 STONE RD. E.
<b>Internal Address:</b>	CATALYST CENTRE, AXELROD INSTITUTE OF ICHTHYOLOGY (BUILDING 92)
<b>City:</b>	GUELPH
<b>State/Country:</b>	CANADA
<b>Postal Code:</b>	N1G 2W1
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15569230
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(416)361-1398
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	416-364-7311
<b>Email:</b>	jlo@bereskinparr.com
<b>Correspondent Name:</b>	BERESKIN & PARR LLP/S.E.N.C.R.L., S.R.L.
<b>Address Line 1:</b>	40 KING STREET WEST
<b>Address Line 2:</b>	40TH FLOOR
<b>Address Line 4:</b>	TORONTO, CANADA M5H 3Y2
<b>ATTORNEY DOCKET NUMBER:</b>	6580-P47431US02
<b>NAME OF SUBMITTER:</b>	MICHELINE GRAVELLE
<b>SIGNATURE:</b>	/MICHELINE GRAVELLE/
<b>DATE SIGNED:</b>	10/25/2017
<b>Total Attachments: 4</b>	
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ASSIGNMENT / DECLARATION

WHEREAS, Michael EMES, whose full post office address is 4 Bridlewood Drive, Guelph, Ontario, N1G 4A6, Canada, Ian TETLOW, whose full post office address is 16 Hilldale Crescent, Guelph, Ontario, N1G 4C4, Canada and Fushan LIU, whose full post office address is Unit J334, 78 College Avenue West, Guelph, Ontario, N1G 4S7, Canada (hereinafter "the Assignors") are the inventors of an invention disclosed in a **United States Provisional Patent Application** entitled **METHODS OF INCREASING PLANT BIOMASS AND SEED OIL PRODUCTION** filed concurrently herewith;

AND WHEREAS, University of Guelph, whose full post office address is Catalyst Centre, Axelrod Institute of Ichthyology (Building 92), 50 Stone Rd. E., Guelph, Ontario, N1G 2W1, Canada, (hereinafter "the Assignee"), has acquired from the Assignors, their entire right, title and interest in and to the invention, in all countries of the world, including their rights to the Application, and all related applications and patents thereon, including any and all, international, national and regional phase applications based on the Application, and other counterpart applications in all countries, and any and all substitutes, divisionals, continuations and continuations-in-part, and any Letters Patent that may be obtained therefor, and in any and all reissues, extensions, renewals and reexaminations of such applications and patents, including the right to claim priority to the Application, and to all related applications and patents thereon filed by the Assignors or Assignee, including the benefit of any right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and the benefit of any right of priority provided by any convention or treaty under domestic or foreign law, and to invoke and claim any such right of priority without further written or oral authorization from the Assignors;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of all of which is hereby acknowledged, the Assignors hereby confirm that they have assigned, and do hereby sell and assign, transfer and set over to the Assignee, all their right, title and interest for Canada, the United States of America, its territories, dependencies and possessions, and for all other countries in the world, in and to the invention, including their rights to the Application, and all related applications and patents thereon, including the right to claim priority to the Application and to all related applications and patents thereon, to be held and enjoyed by the Assignee, its assigns and successors, as fully and entirely as the same would have been held and enjoyed by them, had this Assignment not been made.

The Assignors hereby confirm that the Application was made or was authorized to be made by themselves and that they believe themselves to be the original inventors or joint inventors of a claimed invention in the Application.

The Assignors shall without further consideration do all such things and execute all such documents as may be necessary or desirable to obtain and maintain the Application for the invention, and all related applications and patents thereon, in any and all countries, and to vest title thereto in the Assignee, its successors, assigns and legal representatives or nominees.

The Assignors authorize and empower Bereskin & Parr LLP/S.E.N.C.R.L., s.r.l., whose complete address is Suite 4000, Scotia Plaza, 40 King Street West, Toronto, Ontario M5H 3Y2, to insert on this Assignment any further identification, including inserting the serial number of the patent application when available, to prepare any translation which may be necessary or desirable in order to comply with the rules for recordation of this document in any country and to correct any clerical error in this assignment.

The Commissioner of Patents & Trademarks is hereby authorized and requested to issue any Letters Patent for the Application, and all related applications thereon, to the Assignee, for its sole use and benefit; and for the use and benefit of its successors and assigns, to the full end of the term for which Letters Patent may be granted, as fully and entirely as the same would have been held by the Assignors had this Assignment and sale not been made.

If a provision of this Assignment is or becomes illegal, invalid or unenforceable in any jurisdiction, that shall not affect the validity or enforceability in that jurisdiction of any other provision of this Assignment, or the validity or enforceability in other jurisdictions of that or any other provision of this Assignment.

The Assignors hereby acknowledge that any willful false statement made in this assignment/declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

For the purpose of all legal proceedings this Assignment will be deemed to have been performed in the Province of Ontario and will be governed by and construed in accordance with the laws of the Province of Ontario and the laws of Canada applicable therein.

The Parties confirm their express wish that this Assignment be drawn up in the English language. *Les parties confirment leur volonté expresse que cette cession soit rédigée en langue anglaise.*

SIGNED AT Guelph, Ontario, this 10<sup>th</sup> day of November, 2014.

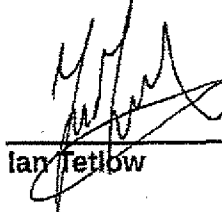
  
\_\_\_\_\_  
Witness

  
\_\_\_\_\_  
Michael Emes

SIGNED AT Guelph, Ontario, this 10<sup>th</sup> day of November, 2014.



Witness



Ian Feltlow

SIGNED AT Guelph, Ontario, this 10<sup>th</sup> day of November, 2014.



Witness



Fushan Liu

SIGNED AT Guelph, Ont, this 13 day of November, 2014.



Witness



UNIVERSITY OF GUELPH

Name: **Richard D. Moccia**

Title: Associate Vice-President Research  
(Strategic Partnerships)  
University of Guelph