

ASSIGNMENT

WHEREAS,

Alexander Baker, whose full post office address is

55 Kenneth Avenue, Toronto, Ontario M6P 1J1, Canada; and

Molly Shoichet, whose full post office address is

16 Heathdale Road, York, Ontario M6C 1M6, Canada.

hereinafter referred to collectively as "the Assignors", are Inventors of an invention relating to and entitled:

**METHOD FOR GENERATING PROGENITOR AND MATURE NK AND/OR T CELLS FROM STEM
AND PROGENITOR CELLS USING FUNCTIONAL MATERIAL**

aka

FUNCTIONALIZED HYDROGELS AND METHODS OF USE

aka

FUNCTIONALIZED HYDROGELS AND METHODS OF USE IN T CELL DIFFERENTIATION

hereinafter referred to as the "Invention", as fully set forth and described in an application for Letters Patent identified as:

Country	Application /Serial Number	Filing Date	Title
U.S.A.	63/603,323	November 28, 2023	FUNCTIONALIZED HYDROGELS AND METHODS OF USE
International	PCT/CA2024/051591	November 28, 2024	FUNCTIONALIZED HYDROGELS AND METHODS OF USE IN T CELL DIFFERENTIATION

hereinafter referred to as the "Applications";

AND WHEREAS, THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, hereinafter referred to as the "Assignee", whose full post office address is **University of Toronto, c/o Innovations & Partnerships Office, Schwartz Reisman Innovation Campus, 108 College St, 5th Floor, Suite W540, Toronto, Ontario M5G 0C6, Canada**, has acquired from the Assignors, the Assignors' entire right, title and interest in and to the Invention, in all countries of the world, including the Assignors' rights to the Applications, and all related applications and patents thereon, including any and all, international, national and regional

phase applications based on the Applications, 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 Applications, 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 which is hereby acknowledged, the Assignors confirm they have, as of March 2, 2020, sold, assigned, transferred and set over, and for greater certainty, do hereby sell, assign, transfer and set over to the Assignee, its successors, assigns, or legal representatives, their entire right, title and interest for Canada, the United States and all other countries throughout the **world** in and to the Invention, together with their entire right, title and interest in and to the Applications and any and all Letters Patent that may issue for the Invention, including any and all divisions, reissues, continuations and extensions of the Applications, to the full end of the term for which each said Letters Patent may be granted, and including any right to claim priority based on the Applications, the same to be held and enjoyed as fully and completely as the same would have been held and enjoyed by the Assignors had this Assignment not been made;

The Assignors hereby confirm that the Applications were made or were 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 Applications.

AND the Assignors, on behalf of themselves and their executors and administrators, do hereby covenant and agree to do all such lawful acts and things and to execute without further consideration such further lawful assignments, documents, assurances, applications and other instruments as may reasonably be required by the Assignee, its successors, assigns, or legal representatives, to obtain any and all Letters Patent for the Invention and vest the same in the Assignee, its successors, assigns, or legal representatives.

The Commissioner of Patents & Trademarks is hereby authorized and requested to issue any Letters Patent for the Applications, 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.

Assignor	Witness
Name: <u>Alexander Baker</u>	Name: <u>Ceilagh Baker</u>
Signature: <u></u>	Signature: <u></u>
Date: <u>April 11, 2025</u>	Date: <u>April 11, 2025</u>
(Executed in) City: <u>Timberlea</u>	(Executed in) City: <u>Timberlea</u>
(Executed in) Country: <u>Canada</u>	(Executed in) Country: <u>Canada</u>

Assignor	Witness
Name: <u>Molly Shoichet</u>	Name: <u>Siewan Chan</u>
Signature: <u></u>	Signature: <u></u>
Date: <u>March 26, 2025</u>	Date: <u>March 26, 2025</u>
(Executed in) City: <u>Toronto</u>	(Executed in) City: <u>Toronto</u>
(Executed in) Country: <u>Canada</u>	(Executed in) Country: <u>Canada</u>

ACKNOWLEDGEMENT

The Assignee hereby accepts the assignment. EXECUTED at Toronto (city), Canada (country).

This 12 day of JUNE, 2025

THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO

Signature 

Jan Tkac

Name

Patent Portfolio Manager

Title

DECLARATION OF WITNESS

I, Leanne Ambrose, whose full business address is
University of Toronto, c/o Innovations & Partnerships Office, Schwartz Reisman Innovation Campus, 108
College St, 5th Floor, Suite W540, Toronto, Ontario M5G 0C6, Canada, hereby declare that I was personally
present and did see Jan Tkac of **THE GOVERNING COUNCIL OF THE UNIVERSITY
OF TORONTO** who is personally known to me to be the person named in the above assignment duly sign
and execute the same.

Declared at Toronto (city), Canada (country).

This 12 day of June, 2025


Signature of Witness