University Startup Basic Outlicense Template – Climate, Environment and Sustainability-Related Tech edition

INTRODUCTION Beginning in Summer 2023, the group of universities and venture capital firms below worked together to streamline the process of spinning climate-related startups out of universities. The group began with the US-BOLT (University Startup Basic-Out-Licensing) <u>Life Science</u>
Term Sheet, released in Dec 2022 (AUTM <u>here</u>, NVCA <u>here</u>, article in BioCentury <u>here</u>), and changed only those sections that were specific to life sciences that wouldn't work for climate.

As with the earlier life science version, this is meant to be a "representative" term sheet that an investor and an academic institution might use to begin discussions around launching a climate-related startup. The objective was to create a reasonable approach, with terms and clauses that most parties could use in most situations. The creators have embodied those principles into this non-binding term sheet template, with representative clauses, which can be downloaded and used freely by any parties that wish to do so. Through these efforts, we hope to significantly reduce the time spent negotiating these deals across the whole early-stage climate, environment, and sustainability industry, which could lead to new products and services reaching the market months or years earlier. One important note: we say "representative" above because the great majority of the terms herein would be considered reasonable by parties on both sides, and hence we anticipate that in many situations this term sheet could be used without significant further edits. However, it should be noted that any given institution or investor may have certain preferred approaches or policies about which they may feel strongly. For instance, some institutions have strong feelings in particular around sublicensing income, reservation of rights, or access to future improvements. And some investors have equally strong feelings about equity, success fees development milestone payments, or board observer seats. Unfortunately, it would have been impossible to create a single document which incorporated all variations. Accordingly, some of the contributing entities, and other parties as well, may need to use alternative approaches to those in the term sheet template, even if they have approved the general approach espoused herein. Hence, nothing in these documents should be seen as binding any of the undersigned, but rather as a reasonable approach overall for most situations. In that spirit, we hope you find this term sheet useful. Over the next few months, we hope to release a full license agreement template, based on this term sheet. If you have any questions, comments or concerns, or would like to have your institution added to the "Endorsed By" line, please email techtransferVCstartups@gmail.com.

Note: as always, all parties should seek the advice of counsel before signing any legally-binding documents.

Best wishes, from the creators of this document (contact people with their entity in parentheses):

- Academic institutions: Orin Herskowitz and Dovina Qu (Columbia), Case Cortese and Rose Kiser (Caltech), Deirdre Zammit (MIT), Jordan Grant and Sam Liss (Harvard), Fiona Wills (University of Washington), Jon Gortat (Stanford), Tony Williams (Princeton), Laleh Shayesteh (Berkeley),
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- Law firms: Geoff Spolyar (Cooley); Sarah Solomon (Goodwin); Miranda Biven, Barath Chari, Manja Sachet, Farah Gerdes (Wilson Sonsini)

Capitalized terms that are not defined in the body of the Term Sheet are defined in the "Defined Terms" section at the end of the Term Sheet.

Date	
Licensor ¹	
Licensee	
Territory	"Territory" means worldwide.
Field of Use	[any and all uses]
Term	The License Agreement will begin on the Effective Date and will expire upon expiration of the last remaining Royalty Term, unless earlier terminated in accordance with the termination provisions. On a Licensed Product-by-Licensed Produc and country-by-country basis, upon expiration of the applicable Royalty Term, Licensee will have a fully paid-up perpetual license to Licensed Know-How for such Licensed Product in such country ("country" shall also be deemed to refer to territories).
Patent Rights	means Licensor's rights under the following: (a) the patents and patent applications listed in Exhibit A; (b) any non-provisional patent applications that claim priority to any provisional patent applications listed in Exhibit A; (c) any foreign patent applications, foreign patents or related foreign patent documents that claim priority to a patent or patent application included in (a) or (b) above; (d) any divisionals and continuations of patents or patent applications included in (a), (b), or (c) above (but not continuations-in-part, except as provided in (f) below); (e) any patents, reissues, re-examinations, renewals, substitutions, and extensions issuing from the patent specification of any of the preceding; and (f) any claims of continuation-in-part applications that claim priority to the U.S. patent applications listed in Exhibit A, but only to the extent such claims are directed specifically to subject matter described in at least one of the patents or patent applications identified in (a)-(e) above that meet the written description requirements of the first paragraph of 35 U.S.C. Section 112.2

If there is an Inter-Institutional Agreement or joint ownership of the licensed technology, include a description here.
 The intention is to cover inventions that are disclosed in the original application, but where the original application did not include sufficient disclosure for enablement purposes.

	Patent Rights do not include any inventions conceived (as determined under U.S. patent law) after the Effective Date, provided that to the extent a Patent Right is an Improvement, such Improvement will be added to Exhibit A by way of amendment.
License to Improvements ³	Licensor shall disclose to Licensee all Improvements made in the laboratory of [Principal Investigator] within [1-3] years of the Effective Date and disclosed to Licensor by the [Principal Investigator].
	Patentable Improvements shall be added by amendment to the list of Patent Rights in <u>Exhibit A</u> of the License Agreement and Improvements that are not patentable will be considered Licensed Know-How and shall be added to <u>Exhibit B</u> of the License Agreement [in both cases by mutual agreement of the parties] and shall be licensed on the same terms of the License, with the option of minor additional economic terms (e.g., an upfront fee).
	(Note: add this language where an SRA is executed in conjunction with the License:) In addition, any Improvements that are developed under the SRA in the laboratory of [name the Principal Investigator] shall be included in the License as Patent Rights.)
	"Improvement" means any invention, patentable or otherwise, conceived under the direction of the [Principal Investigator] where the invention is (a) not encumbered by any third party rights, (b) has been disclosed to Licensor's technology licensing office, and (c) for patentable Improvements, would necessarily infringe at least one Valid Claim in the Field of Use.
License	Licensor grants to Licensee an exclusive license under the Patent Rights, and a non-exclusive license under the Licensed Know-How, to research, discover, develop, manufacture/make, have made, use, market, sell, offer to sell, have sold, import, export, distribute, rent, license to end-users or lease Licensed Products in the Field of Use and the Territory.4
Sublicensing Rights / Requirements	The License Agreement shall include the right to grant Sublicenses through multiple ⁵ tiers of Sublicensees. Within 30 days after execution of each Sublicense, Licensee will furnish Licensor a complete copy of the Sublicense and any amendments to the Sublicense; provided, however, that Licensee has the right to redact any portion of the Sublicense that does not relate to the Licensed Products, Patent Rights or Licensed Know-How. Licensee will not be required to provide Subcontracts to Licensor.

³ Note that many institutions, including public state institutions, may not be able to agree to licensing future improvements in the original license agreement. Where Licensee seeks to include improvements under the license, careful attention must be given to Licensor's tax risks (e.g., Internal Revenue Procedure Ruling 97-14 or successor IRS guidance; also consider ramifications of state tax law and Bayh Dole), potential conflict of interest issues, and policies on licensing future IP. Some universities will seek to include improvements by way of subsequent amendments rather than as a matter of initial right.

⁴ This term sheet contemplates a license to patents and know-how. If Licensed Know-how is not part of the transaction, the provisions of the term sheet will need to be revised accordingly.

⁵ In the event Sublicensing is permitted through only a specified number of tiers, then provide that (a) Licensor shall not unreasonably withhold consent to additional tiers of Sublicenses and (b) in any event, if any Sublicensee is a Significant Partner, the Significant Partner has the right to license through multiple tiers. "Significant Partner" means a company that has a market capitalization of at least \$1 billion (or a comparable private company).

	Licensee will require that all Sublicenses be consistent with the terms and conditions of the License Agreement, including e.g., the following duties: to keep records; to properly mark Licensed Products with patent numbers; to defend, hold harmless, and indemnify Licensor; to maintain insurance; to restrict the use of Licensor's name and to control exports. Sublicensing is permitted provided that Licensee has exclusive Patent Rights under the License Agreement, Licensed Know-How is only being sublicensed in connection with Licensed Patent Rights, and that Licensee is not in material breach of the License Agreement.
Survival of Sublicenses	If the License Agreement terminates for any reason, Licensor will provide to each first tier Sublicensee the right to enter into a license of the Licensed Technology in the applicable Sublicense directly with Licensor, under the same terms and conditions as the License Agreement (as reasonably applied to such Licensed Technology); provided that (a) Licensor and Sublicensee will discuss in good faith conforming modifications to such terms and conditions and (b) Licensor is not obligated to enter into a license agreement having a scope of Licensed Technology, Field of Use, Territory, or other obligation on the part of Licensor that would exceed those in the applicable Sublicense. Licensor's obligation above will apply only if (a) Licensor is legally, contractually, and per its policies permitted to enter into such license at the time; (b) Sublicensee provides written notice to both Licensor and Licensee within 90 days after such termination of its desire for such discussions, and Licensee does not dispute the termination; (c) Sublicensee is not an Affiliate of Licensee; and (d) Sublicensee is not in material breach of the Sublicensee [in the two year period prior to the License Agreement termination]. The Sublicensee's rights under the Licensed Technology included in the applicable Sublicense shall survive, and shall not be terminated during the 90 day notice period and the negotiation period between Licensor and Sublicensee.
Subcontracts	Licensee may engage a subcontractor to perform, on behalf of Licensee, research, development, and manufacturing services under the License, provided that (i) any subcontract will not relieve Licensee from any of its obligations under the License; (ii) any act or omission by a subcontractor shall be deemed an act or omission of Licensee; [(iii) any subcontract provides for the automatic assignment to Licensee of any and all intellectual property generated by the subcontractor, its employees, and consultants in the course of performing the subcontracted services to Licensee (other than with respect to intellectual property generated that relates to such subcontractor's platform or background intellectual property, ownership of which may remain with such subcontractor);] ⁶ and (iv) Licensee shall be responsible for each of its subcontractors complying with all applicable obligations of Licensee under the License. A subcontractor that Licensee has engaged through an agreement complying with the terms above shall not be deemed to be a Sublicensee under the License, regardless of whether such subcontract includes a grant of a sublicense under any Patent Rights or Licensed Know-How.

⁶ This clause may not make sense where there is a Joint Development Agreement with co-owned IP, or where only a small portion of the subcontract is related to the Licensed Technology, or otherwise.

License Issue Fee	Licensee shall pay an up-front fee of \$ within [x] days of the Effective Date.7
[Equity] ⁸	Licensee shall issue to Licensor9 shares of its common stock representing [x]% on a Fully Diluted Basis [[at the Effective Date] or [at the closing of Licensee's next round of equity financing]]. ¹⁰
	"Fully-Diluted Basis" means the total number of shares of Licensee's issued and outstanding common stock, assuming (a) the conversion of all issued and outstanding securities convertible into common stock; (b) the exercise of all issued and outstanding warrants or options, regardless of whether then exercisable; and (c) the issuance, grant, and exercise of all securities reserved for issuance pursuant to any Licensee stock or stock option plan then in effect.
	Anti-Dilution: Licensee will issue Licensor, without further consideration, additional shares of common stock as is necessary to ensure that the number of shares issued to Licensor do not represent less than x% of the shares issued and outstanding on a Fully-Diluted Basis. This anti-dilution protection will continue until an amount of at least \$X,000,000, when aggregated with prior closings, has been raised by Licensee in bona fide financings through the sale of securities or by conversion of instruments convertible into equity (" Dilution Cap "). If the Dilution Cap is reached or exceeded during a specific round of funding, anti-dilution protection [will] [will not] extend to the total amount of funding raised through the closing of that specific round of funding. ¹¹
	<u>Preemptive Rights</u> : If Licensee proposes to sell any equity securities or securities that are convertible into equity securities, Licensor and/or its Assignee may purchase up to [[their pro rata] or [x%]] ¹² of the securities issued in each financing on the same terms and conditions as are offered to the other purchasers in each such financing. Licensee will provide [x] days

⁷ The amount of the up-front fee may be impacted by the patent expenses to be reimbursed, particularly where they are significant.

⁸ Universities differ in their approaches: some may not ask for either equity or a success fee, some may ask for one or the other, and some may ask for both. Licensee and their venture capital investors may advocate for a success fee rather than equity (but not both), as an approach which is both simpler and avoids any issues under Licensor's conflict of interest policies. Success fees can take the form of (a) a percentage of the [upfront] acquisition proceeds in the event Licensee is acquired; (b) a percentage of Licensee's market capitalization for x days trailing post-IPO lockup; (c) a fixed dollar amount upon either of those events; or (d) a fixed dollar amount upon Licensee achieving and maintaining a valuation above a certain threshold in the public markets. Later-stage companies will not view equity and anti-dilution, or success fees, in the same way as start-ups.

⁹ Some universities may have a separate entity that holds equity in startups on behalf of the university, in which case such entity should be named here instead of the Licensor.

¹⁰ The parties will discuss whether a minimum financing size should be stipulated and the mechanics for a multi-tranche financing round (e.g., an allocable portion of the university's equity is metered in at each tranche).

¹¹ Some universities will delay issuance of all equity shares until the Dilution Cap has been met.

¹² Few universities have the financial flexibility to participate in these investments within the time frame required. In participating in an equity financing, they will be subject to terms that may be unattractive to them, e.g., pay-to-play (see NVCA Model Documents for details on Preferred Stock financing terms.) Accordingly, many universities have entered into agreements to transfer any such preemptive rights to Osage University Partners. Venture Capital investors may find this request difficult to accommodate in their standard syndicated financing rounds.

	advance written notice of each such financing, including reasonable detail regarding the terms and purchasers in the financing. "Assignee" means (a) [insert name of entity to which Licensor's preemptive rights may be assigned] or (b) any entity that is controlled by Licensor.
Development Milestone Payments13	Each of the following payments (each a " Development Milestone Payment ") will be due upon achieving the indicated milestone (each such milestone, a " Development Milestone " [for each Licensed Product /the first Licensed Product /the first [2][3] Licensed Products. ¹⁴ Licensee shall make each such payment irrespective of whether the associated Milestone was reached by Licensee itself, by a Sublicensee and/or by a third party acting on behalf of Licensee or a Sublicensee.
	 [Examples of Development Milestones: Development of working prototype of a Licensed Product Demonstration of a Licensed Product to a potential customer First Commercial Sale of a Licensed Product Cumulative Gross revenues of Licensed Products of \$]
Royalty Rate15	For Patent Products, Licensee shall pay Licensor x% of Net Sales, with [50]% reduction for Patent Products that are no longer Covered by a Valid Claim, but are Covered by Licensed Know-How. For Know-How Products, Licensee shall pay Licensor [½]x% of Net Sales.
Net Sales	means, with respect to a Licensed Product, for any period, the total amount billed or invoiced on sales of such Licensed Product during such period by the Selling Party in the Territory to third parties (including third party wholesalers and Third Party Distributors), in bona fide arm's length transactions, less the following documented deductions ¹⁶ , and in each case related specifically (or reasonably allocated by such Selling Party in accordance with its standard policies and procedures consistently

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Milestone payments can be difficult for even well-funded Licensees and thus may sometimes be deferred until Licensee is partnered, has been acquired, or is generating revenue. Accordingly, Licensor may consider mechanisms to reduce the burden for Licensee before it has partnered or been acquired, e.g., (a) milestone payments start low but increase on partnering/acquisition or (b) x% of milestone payments can be deferred until Licensee is partnered/acquired.

14 For platform technologies, there will often be a cap on the number of products for which these milestones apply.

¹⁵ In certain cases in ClimateTech – e.g. high cost plants to produce Licensed Products, high cost Licensed Products, or pilots undertaken at a loss — a delay of the onset of earned royalty payments may be appropriate since the Licensee is still operating at a gross margin loss. Equity and earned royalties are both ways for the Licensor to share in the upside of the success of the Licensed Products and can be tuned in favor of one or the other based on the parties' preferred financial strategy. Alternatively, fees that escalate with Licensee gross revenues, fixed annual fees or sales-based milestone payments may be more suitable than running royalties for certain markets/technologies. A startup's business strategy may change over time and the Licensor may be willing to revisit terms should both parties identify a benefit in doing so, or royalties on Licensed Product may be deferred in the earliest commercialization periods.

¹⁶ The deductions detailed here represent a tailored set of the typical deductions included in licenses, consistent with common commercial practices, in an effort to avoid future renegotiation.

applied across its products) to the Licensed Product, and not otherwise recovered by or reimbursed to the Selling Party:

- (a) trade, cash and quantity discounts, charge-back payments, and rebates actually granted to trade customers or national, state, or local governments;
- (b) credits, rebates, or allowances actually allowed upon prompt payment or on account of claims, damaged goods, rejections, or returns of such Licensed Product, including in connection with recalls and retroactive price reductions;
- (c) taxes to the extent included in the gross amount invoiced (excluding income or franchise taxes of any kind), duties, tariffs, mandated contribution, or other governmental charges levied on the sale of such Licensed Product, including VAT (net of reimbursement of any value added taxes actually received), excise taxes and sales taxes, that the Selling Party allocates to sales of such Licensed Product in accordance with its standard policies and procedures consistently applied across its products, as applicable;
- (d) any invoiced amounts from a prior period which are not collected and are written off by the Selling Party, including bad debts (provided that if the debt is thereafter paid, the corresponding amount shall be added to the Net Sales for the period during which it is paid);
- (e) packaging, freight, postage, shipping, transportation, warehousing, handling, export/import and insurance charges, in each case, actually allowed or paid for delivery of such Licensed Product, and any customary payments with respect to such Licensed Product actually made to wholesalers or other Distributors, in each case, actually allowed or paid for distribution and delivery of such Licensed Product, to the extent billed on actual invoices;
- (f) any sales, credits, or allowances given or made with respect to such Licensed Product for wastage replacement; and
- (g) any other similar and customary deductions that are consistent with GAAP as consistently applied by Selling Party to all of its products, but which may not be duplicative of the above deductions.

For Component Products, the parties will negotiate in good faith an appropriate payment methodology.

All allocations of discounts, allowance, credits, rebates and other deductions must be reasonable. Any amounts received or invoiced by a Selling Party will be accounted for only once. For purposes of determining Net Sales, a Licensed Product, respectively, will be deemed to be sold when recorded as a sale by Selling Party in accordance with GAAP.

Amounts received or invoiced by a Selling Party for the sale of a Licensed Product among Selling Parties will not be included in the computation of Net Sales, unless the purchasing entity is the end-user of such Licensed Product.

Net Sales will exclude Licensed Product transferred or disposed for consideration (including non-monetary consideration) that is less than the Licensed Product's cost of goods (collectively, "Non-Commercial Sales"); in each case, such Licensed Product will be reported on the royalty report as Non-Commercial Sales for such period when such Licensed Products are so transferred or disposed of.

Net Sales will be calculated in accordance with the standard internal policies and procedures of the Selling Party.

	For purposes of calculating Net Sales, all Net Sales shall be converted into U.S. dollars.
"Royalty Term"	means, on a Licensed Product-by-Licensed Product and country-by-country basis, the royalty term will commence on the First Commercial Sale of a Licensed Product in any country and continue until the latest of (a) the date on which such Licensed Product is no longer Covered by a Valid Claim in the country in which the manufacture or sale occurs; (b) the [x] year anniversary of the First Commercial Sale of such Licensed Product in the country in which the sale occurs.
Minimum Annual Royalty ¹⁷	Licensee shall pay Licensor Minimum Annual Royalties as set forth below. Earned royalties paid during a given CY may be used as credit against the Minimum Annual Royalty due for that same CY, but cannot be used as credit against a Minimum Annual Royalty obligation owed for any other CY. • [First full CY] after Effective Date: [\$] • [Second through fourth full CYs after Effective Date]: [\$] • [Fifth full CY after Effective Date and each CY thereafter until First Commercial Sale]: [\$] • [First CY after First Commercial Sale and each CY thereafter]: [\$)] 18
Royalty Stacking19	Licensee will be entitled to deduct, from the cumulative royalties otherwise due Licensor in respect of Net Sales of Licensed Products, [X%]20 of all such royalties paid or payable by Selling Party(ies) to one or more third parties in respect of such Licensed Products if, in the absence of a license, sublicense, acquisition or access to a third party's intellectual property rights, the researching, discovering, developing, manufacturing/making, having made, using, marketing, selling, offering to sell, having sold, importing, exporting, distributing, renting, licensing to end-users or leasing of a Licensed Product would or may infringe or misappropriate such intellectual property rights. In no event will such deduction reduce any royalty payments to be made by Licensee by more than [X%] for any calendar quarter; and provided, further, that any reduction, or portion thereof, may be carried forward for use in a future calendar quarter. With respect to any third-party exclusive licensors, the foregoing royalty stacking provisions will only apply in the event such third party exclusive licensors receiving royalties of [x]%] are also subject to similar royalty stacking provisions.21

¹⁷ Minimum royalties may be difficult for Licensees that have to go through multiple scale-up stages, where the initial production facility sells at a loss simply to prove out the technology in order to raise financing for the next scale. If so, the parties may agree to an alternate methodology for determining the timing and scale of annual payments

¹⁸ The Minimum Annual Royalty is intended to incent Licensee to diligently develop the technology. The number of years during which Annual Minimum Royalty is due reflects the anticipated time to first commercial sale.

¹⁹ The parties may consider eliminating royalty stacking entirely in favor of a lower royalty rate.

²⁰ A higher deduction may be negotiated if the total royalty burden is higher than 80% of the total royalties that Licensee would receive from sublicensees. Additionally, the royalty offset may include all payments, rather than just royalties.

²¹ It is quite common for licenses that have a sufficiently low royalty rate to not include anti-stacking provisions; thus, by way of example, if a third party licensor is receiving a low royalty, such royalty payable to such third party licensor would be included within the royalty stack, regardless of whether the agreement with such third party licensor includes an anti-stacking provision. This limitation only applies to exclusive licensors of intellectual property rights (not non-exclusive licensors).

Sublicensing Consideration22

Licensee shall pay to Licensor a portion of all Sublicensing Income as follows:23

- W% of Sublicensing Income received as the result of any Sublicense entered into prior to [event or date X];
- X% of Sublicensing Income received as the result of any Sublicense entered into after [event or date X] but before [event or date Y]:
- Y% of Sublicensing Income received as the result of any Sublicense entered into after [event or date Y] but prior to [event or date Z]; and
- Z% of Sublicensing Income received as the result of any Sublicense entered thereafter.

Licensee may apportion a commercially reasonable percentage of Sublicensing Income between the Licensed Technology and patent rights [and know-how] owned or controlled by Licensee and that are included in the same Sublicense, provided that (a) Licensee provides Licensor with reasonably detailed information on the apportionment and justification no later than 60 days prior to the due date for amounts due and (b) Licensee and Licensor agree on the apportionment. If Licensee and Licensor cannot agree on the apportionment, the parties shall use Standard Dispute Resolution.

²² The parties may consider eliminating sublicensing consideration provisions entirely in favor of a higher royalty rate.

²³ Alternatively, Licensor may negotiate a flat, but reduced, rate. The tiers are meant to reflect development stage of the Licensed Product, and will often match the diligence milestone tiers.

Diligence **Milestones**

Licensee shall use Commercially Reasonable Efforts to develop at least one Licensed Product in the Territory and commercialize such Licensed Product.24

In addition, Licensee (either itself or through the acts of any of its Affiliates, Sublicensees or subcontractors) is required to achieve the following due diligence milestones (the "Diligence Milestone") by the dates set forth below (the "Achievement Date"):

[Diligence Milestones may be, among other choices:

- 1) product related (e.g., completion of pilot plant, commercial demo, production plant or prototype; execution of field demo; launch of Licensed Product, removal of tons of carbon, etc):
- 2) revenue related (e.g. revenue achievement, securing first customer LOI, or first strategic partner to validate model);
- 3) team related (e.g., recruiting technical team/key management);
- 4) financing related (e.g., securing certain level of investment, consistent with business plan) or
- 5) identical to the milestones set by Licensor's investors, for triggering future tranches of investment]25

Deferral of Diligence **Milestones**

Licensor acknowledges that due to long development times, scientific, potential safety and development hurdles and challenges [and regulatory requirements and processes] associated with Licensee's industry, Licensee may be unable to achieve a particular Diligence Milestone by a relevant Achievement Date. Licensee will notify Licensor in writing in advance of any such anticipated delay, and as long as Licensee is fulfilling its obligations of Commercially Reasonable Efforts, the parties will negotiate in good faith an extension of the relevant Achievement Date upon the payment of a fee (the "Extension Fee") equal to [\$x/x% of the relevant Milestone Payment], which extension Licensee must exercise by paying such fee no later than [x days] before the relevant Achievement Date. [Licensee may request an extension / extend each Diligence Milestone as set forth above only [once/twice]].26

²⁴ The number and type of diligence milestones vary in each deal and should be based upon the development plan provided by Licensee. If a large company takes a sublicense, they will typically ask for a revision of the diligence milestone terms - e.g., they may agree to use Commercially Reasonable Efforts to develop a Licensed Product, but will ask to remove specific diligence milestones, and Licensors will typically approve.

²⁵ Some of these may also be appropriate as Development Milestones.

²⁶ Typically universities will be reasonable in extending milestones for a defined period if Licensee provides adequate explanation and is continuing to be diligent in its pursuits, and typically will be open to waiving an Extension Fee (if one would apply) for the first failure to meet a Diligence Milestone for a valid reason.

Patent Prosecution	Licensor will have the right to control the preparation, filing, prosecution and maintenance of the Patent Rights, reexaminations, interferences, oppositions, and any other <i>ex parte</i> or <i>inter partes</i> matters (e.g., <i>inter partes</i> reviews) originating or conducted in a patent office (" Patent Actions "), using outside counsel reasonably satisfactory to Licensee. Licensor will (a) instruct Licensor's patent counsel to furnish to Licensee copies of material documents relevant to such Patent Actions before any deadlines; (b) allow Licensee a reasonable opportunity to comment on material documents to be filed with respect to such Patent Actions prior to any such filing being made; and (c) take into reasonable consideration such comments from Licensee. Licensee will, to the fullest extent permitted by law, apply for and prosecute, or support in any reasonable way Licensor's application for, any reasonable patent term extension for patents included in the Patent Rights.
	So long as Licensee reimburses Licensor for Patent Costs, Licensor will continue to prosecute and maintain the Patent Rights in the countries selected by Licensee.
	Subject to the terms of this section, with the consent of Licensor (such consent not to be unreasonably withheld), Licensee has the right, on a country-by-country basis, to elect to not reimburse Licensor for Patent Costs related to a particular Patent Action. If Licensee makes such an election, Licensee will provide reasonable advance notice to Licensor in writing, such notice to be at least 90 days prior to any such Patent Action. ²⁷ Upon the expiration of such notice period, such patent application(s) and patent(s) thereafter are and will be excluded from the definition of Patent Rights without further notice. Under such circumstances, Licensor may elect to abandon or continue the prosecution and/or maintenance of such application(s) or patent(s) at its sole or subsequent partner's expense. If Licensee fails to provide such notice and Licensor incurs Patent Costs in respect of such Patent Action, then Licensee shall be responsible for such Patent Costs.
Patent Expense Reimbursement	Licensee will bear all out-of-pocket costs incurred by Licensor for Patent Actions ("Patent Costs"). Licensee will reimburse Licensor [within 30 days after Licensee's receipt of an invoice from Licensor] for Patent Costs incurred by Licensor before the Effective Date and during the term of the License Agreement. Alternatively, if Licensor requests, Licensee will pay ongoing Patent Costs in advance or under a reasonable direct billing arrangement with Licensor's patent counsel. ²⁸ Licensor will provide Licensee with documentation of the Patent Costs.
Disclaimer of Warranties and Limitation of Liabilities	EXCEPT AS OTHERWISE PROVIDED IN THIS AGREEMENT, LICENSED TECHNOLOGY IS PROVIDED BY LICENSOR WITHOUT WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER WARRANTY OF ANY KIND, EXPRESS OR IMPLIED. LICENSOR MAKES NO EXPRESS OR IMPLIED REPRESENTATION OR WARRANTY THAT USE OR COMMERCIALIZATION OF THE PATENT RIGHTS OR LICENSED PRODUCTS OR NON-PATENT TECHNOLOGY WILL NOT INFRINGE ANY PATENT, COPYRIGHT, TRADEMARK OR OTHER RIGHTS.
	EXCEPT AS OTHERWISE PROVIDED IN THE LICENSE AGREEMENT, THE LICENSE AGREEMENT DOES NOT IMPLY (A) A WARRANTY OR REPRESENTATION AS TO THE VALIDITY, ENFORCEABILITY, OR SCOPE OF ANY PATENT RIGHTS;

Under Bayh-Dole, recipients of federal funding are required to provide notice prior to abandoning any U.S. patents or applications.
 Payment terms will vary depending on the amount to be reimbursed and Licensee's funding – e.g., if there were high IP costs pre-License, Licensee may work out a payment schedule.

	(B) BY IMPLICATION, ESTOPPEL OR OTHERWISE, ANY GRANT OF ANY LICENSE UNDER ANY PATENTS OTHER THAN THE PATENT RIGHTS OR UNDER ANY OTHER RIGHTS OTHER THAN THE LICENSED KNOW-HOW OF LICENSOR, REGARDLESS OF WHETHER SUCH PATENTS OR OTHER RIGHTS ARE DOMINANT OR SUBORDINATE TO PATENT RIGHTS.
	IN NO EVENT WILL EITHER PARTY BE RESPONSIBLE OR LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OR LOST PROFITS OR OTHER ECONOMIC LOSS OR DAMAGE REGARDLESS OF LEGAL OR EQUITABLE THEORY. THE ABOVE LIMITATIONS ON LIABILITY APPLY EVEN IF THE OTHER PARTY MAY HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. ²⁹
Indemnification and Insurance30	
Patent Challenges	Licensee will provide written notice to Licensor at least 90 days before Licensee, or Sublicensee initiates or participates directly or indirectly in a Patent Challenge. Licensee or such Sublicensee will identify all prior art and other evidence material to the Patent Challenge in such written notice. If Licensee or a Sublicensee participates directly or indirectly in a Patent Challenge, the following applies:
	 (a) [Licensor has the right to terminate the License Agreement at any time (including after the termination of such Patent Challenge) upon written notice delivered to Licensee, and the License Agreement cure provisions for non-monetary breach will not apply; provided that if a Patent Challenge is initiated by a Sublicensee, Licensor will only be permitted to terminate the License Agreement if, within 30 days following receipt of notice that Sublicensee has initiated a Patent Challenge, Licensee has failed to terminate the Sublicense or Sublicensee has not vacated the Patent Challenge.]31 OR (a) Licensor will meet with Licensee and any designee of Licensee within three months after such notice from Licensee and at least semi-annually at the request of Licensee, in a good faith effort to resolve any Patent Challenge; (b) during the pendency of such action or proceeding (including any appeals), the applicable royalty rate(s) will increase to double the applicable royalty rate(s); (c) should the outcome of such action or proceeding determine that any such claim challenged by Licensee or a Sublicensee is valid, enforceable, and/or infringed by a Licensed Product, the royalty rate(s) will increase to triple the applicable royalty rate(s);

²⁹ The parties may negotiate additional exclusions, and Licensor will be required to follow the policy of its Office of General Counsel in these matters.

³⁰ These provisions are not included in the Term Sheet because each Licensor will be subject to the policies of its Office of General Counsel on these matters.

³¹ Termination may not be enforceable. Licensors may seek meaningful penalties, up to and including termination of the License Agreement, for Licensee's challenge to their patent position.

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	(d) Licensee and any Sublicensee(s) will have no right to recoup any royalties paid before such action or proceeding or
	during the period in which such action or proceeding is pending (including on appeal), no matter the outcome of such
	action or proceeding; and
	(e) Licensee shall pay all reasonable costs and expenses incurred by Licensor (including, but not limited to, Licensor's
	actual attorneys' fees) in connection with such action or proceeding. Licensor may bill Licensee as frequently as
	monthly concerning such costs and expenses, and Licensee shall make payment no later than 30 days after receiving
	an invoice from Licensor. Notwithstanding any other provision of the Agreement, with respect to any such Patent
	Challenge, Licensor will have full control and authority to defend the Patent Rights in the action or proceeding and will
	not be required to share any work product concerning such action or proceeding with Licensee or the Sublicensee(s).
Third Party	In the event of a third-party challenge (including inter partes reviews and declaratory judgements) to any of the Licensed
Claim	Technology, Licensor will have the first right to assume and control the defense of the claim at Licensor's expense. If Licensor
	fails to assume such defense within 60 days of becoming aware of such challenge, Licensee may assume and control such
	defense at Licensee's expense. The party controlling the defense may join the other party in any such action if a court of
	competent jurisdiction determines the other party is an indispensable party to such proceeding and the controlling party shall
	pay the expenses of the joined party. The party controlling the defense of such legal action will keep the other party
	reasonably informed of the proceedings and will not settle such action without the prior written consent of the other party, such
	consent not to be unreasonably withheld.
Patent	In the event that either party believes that a third party is infringing or misappropriating any of the Licensed Technology,
Enforcement	[Licensee/Licensor] will have the first right to enforce the claim at [Licensee's/Licensor's] expense. If [Licensee/Licensor] fails to
Emorcement	initiate such action within 90 days of becoming aware of such infringement or misappropriation, the other party may assume
	and control such action at the other party's expense. 32 The party controlling the action may require the other party to join in
	any such action if a court of competent jurisdiction determines the other party is an indispensable party to such proceeding and
	the controlling party will pay the expenses of the joined party.33 The party controlling such legal action will keep the other
	party reasonably informed of the proceedings and will not settle such action without the prior written consent of the other party,
	such consent not to be unreasonably withheld.
	Any recovery, whether by way of settlement or judgment, from a third party pursuant to a legal proceeding shall first be used to
Award Sharing	reimburse the initiating party and the non-initiating party for their actual fees, costs and expenses incurred in connection with
	such proceeding. The initiating party shall divide any remaining amounts from any such settlement or judgment as follows: (i)
	any recovery reflecting lost profits damages and/or reasonable royalty damages, Licensee retains or receives such recovery,
	and Licensor retains or receives the amount of royalties due to Licensor had those activities been performed by Licensee, and
	and Election retains or receives the amount of royalties due to Election had those activities been performed by Electisee, and

³² Factors to consider in granting licensor/licensee first right of enforcement: identity of licensee (e.g., sophistication; potential infringers; public relations consequences; conflicts of interests for the university) ³³ Note that the joined party may require a joint defense and representation agreement. industrial vs. startup; financial stability; level of (e.g., big

	(ii) all other remaining amounts (including any punitive or exemplary damages) are divided [75%] to the party who initiated or carried on the proceedings and [25%] to the other party.
Unmet Needs34	Licensor would like Licensee to address unmet needs, such as those of neglected populations or geographic areas, giving particular attention to improved technologies for low and middle income countries. If (a) Licensee is unable or unwilling to serve an unmet need for which there is an adequately-resourced company willing to be a Sublicensee, and (b) such potential Sublicensee has provided Licensee with a bona fide, detailed proposal to serve such unmet needs (which Licensee will provide to Licensor), then, unless Licensee can demonstrate to Licensor's reasonable satisfaction that Licensee will serve such unmet need itself or through another third party, Licensee will, at Licensor's request, negotiate in good faith a Sublicense with said potential Sublicensee on reasonable commercial terms. If the Sublicense is not executed within [12] months, then Licensor has the right to grant a license to serve such unmet need exclusively or non-exclusively, on reasonable commercial terms that, in the judgment of Licensee, will not impair its business, and Licensor will notify Licensee of such a license. Notwithstanding the foregoing, in no event will Licensee be compelled to negotiate a Sublicense [within the field of X], it being understood and agreed that any such Sublicense would be competitive with or otherwise materially impair Licensee's business as proposed to be conducted.
Institution Reservation of Rights	Without limiting any other rights it may have, Licensor retains, on behalf of itself, the right to practice or have practiced the Patent Rights, and to use or have used the Licensed Know-How for any research, public service, internal and/or educational purposes with non-profit research institutions, including sponsored research and collaborations with such non-profit research institutions, and to publish their respective results, and the right to grant the same limited rights to other non-profit research institutions; provided that Licensor will, and will include in any grant of rights to such non-profit research institutions the obligation to, use its best efforts to provide a draft of any planned disclosure from the laboratory of [Principal Investigator] based upon the foregoing to Licensee 45 days in advance, and if Licensee determines new patent applications need to be filed in order to protect the Patent Rights, Licensed Know-How or Improvements, then Licensor agrees to delay such disclosure by an additional delay of 45 days during which the Licensee will prepare and file patent applications with respect to the foregoing at its own cost. The grant of rights to the Licensed Technology is subject to any existing right of the U.S. Government under Title 35, United States Code, Section 200 et seq. and under 37 Code of Federal Regulations, Section 401 et seq., (the ("Bayh Dole Act") including but not limited to the grant to the U.S. Government of a nonexclusive, nontransferable, irrevocable, paid-up license to practice or have practiced any invention conceived or first actually reduced to practice in the performance of work for or on behalf of the U.S. Government throughout the world. Licensed Products shall be substantially manufactured in the United States to the extent (if at all) required by 35 U.S.C. Section 204.35

³⁴ Depending on the breadth of the Field, Licensor may want the ability to grant rights to third parties not just for "unmet needs," but for use cases that Licensee is not going to exploit. Modify this provision accordingly in that case. Conversely, some licensees will be reluctant to include this provision in any form , depending on their business model.

³⁵ Consider including that Licensor would reasonably cooperate with Licensee in seeking a waiver of the requirement to substantially manufacture in the United States if reasonably requested by Licensee.

Audit	No more than once per calendar year, Licensor may appoint a qualified audit firm to audit Licensee's books and records relating to Licensee's payments under the License Agreement. Such audit shall be conducted during normal business hours without unreasonable disruption to Licensee's business, upon 30 days' advance written notice to Licensee. In the event that the audit discloses an underpayment greater than [5-10%] of the amount due, Licensee shall bear the costs of the audit.
Board Observer	Unless otherwise agreed by the parties, Licensor shall lose its Board observer seat (if any) when Licensee completes its first round of institutional investment.
Assignment	Neither party may assign the License to a third party without the prior consent of the other party; provided that Licensee may assign the License without the prior consent of Licensor (i) to any Affiliate and (ii) in connection with a Change of Control.
Dispute	A senior representative of each party shall first engage in good faith efforts to resolve the dispute, for a period of 30 days from
Resolution36	the date that one party notifies the other of its desire to commence Standard Dispute Resolution. If the dispute is not resolved within such time period, the parties shall submit the matter to arbitration under the AAA Commercial Arbitration Rules (with the option to use AAA Expedited Procedures by mutual agreement). The parties must agree to a single arbitrator, and if they cannot agree, one shall be appointed by the President of the City Bar Association of the city in which one of the parties is located (the choice of such city to be determined by a coin toss), provided that sole arbitrator must be experienced in the structuring and negotiation of licenses and commercial agreements in the life sciences industry and be impartial and independent. The arbitration will be conducted over a mutually agreed upon video conferencing platform, unless the parties agree to conduct it live in a mutually agreeable location. Except for the appointment of the arbitrator, which shall follow the timeline set forth in the AAA Road Map (www.adr.org/sites/default/files/document_repository/AAA197_Arbitration_Road_Map.pdf), all the other time periods specified therein shall be cut in half. The parties waive any rights to punitive damages. The parties shall evenly share all costs of such
	arbitration. This process is referred to as "Standard Dispute Resolution".
Governing Law37	

³⁶ This is an effort to minimize the friction, time and cost of dispute resolution, without straying too far afield of market norms. Expedited AAA procedures are appropriate where no discovery is necessary; otherwise, that can be perceived as unfair to a party that has an information disadvantage. The standard AAA timelines result in a dispute being resolved no sooner than 258 days post-filing. We deem that unacceptably long, and believe the parties are not jeopardized by shorter timelines. Some university Offices of General Counsel will not agree to arbitration.

³⁷ Certain institutions will be required by statute to use the laws of their state as governing law. Where the parties are not able to agree, they may simply omit this clause.

Defined Terms

"Affiliate"	means any Person which, directly or indirectly, Controls another Person, is Controlled by another Person, or is under common Control with another Person. "Control" means having the actual present capacity to elect a majority of the directors, or the power to direct greater than 50% of the voting rights entitled to elect directors of such Person; provided, however, that with respect to any Person in a country where the local law will not permit majority foreign equity participation, control means the ownership or control (directly or indirectly) of the maximum percentage of such outstanding stock or voting rights permitted by local law. A Person will be deemed an Affiliate of Licensee solely for the term during which it satisfies the foregoing definition. [VC and its affiliated funds and their respective portfolio companies will not be deemed Affiliates.] ³⁸
"Change of Control"	means (i) a consolidation or merger of the Licensee with or into any other Person, or any other corporate reorganization, other than any such consolidation, merger or reorganization in which the shares of capital stock of the Licensee immediately prior to such consolidation, merger or reorganization continue to represent a majority of the voting power of the surviving entity immediately after such consolidation, merger or reorganization; (ii) any transaction or series of related transactions to which the Licensee is a party in which in excess of 50% of the Licensee's voting power is transferred; or (iii) the sale or transfer of Licensee's business in its entirety, or all or substantially all of the Licensee's assets to which the Agreement pertains, or the exclusive license of all or substantially all of the Licensee's material intellectual property; provided that a Change of Control shall not include any transaction or series of transactions principally for bona fide equity financing purposes in which cash is received by the Licensee or any successor, indebtedness of the Licensee is cancelled or converted, or a combination thereof.
"Component Product"	Thearis a Licensed Froduct that is not sold separately but is a component of a larger system/soldion.
"Commercially Reasonable Efforts"	means, with respect to Licensee's obligations as to a Licensed Product, the carrying out of such obligations with a level of efforts and resources consistent with those typically expended by a similarly situated company in the applicable industry for the research, development and/or commercialization—taking into account the anticipated value of the commercial opportunity, the prevailing regulatory environment (including the likelihood of receiving regulatory approval, as applicable,), the proprietary position of the Licensed Product, the expected and actual competitiveness of alternative third party products in the marketplace, and other relevant scientific, technical, and commercial factors.
"Cover" or "Covered By"	(For a Patent-only license:)

³⁸ Consider whether there are related companies that may meet the definition of Affiliates but should be explicitly excluded (e.g., LLC holding company structures, spin out companies). Conversely, consider whether there are other entities that should be named as Affiliates – e.g., affiliated hospitals in the case of Licensor.

"Effective Date" "First Commercial	means the first sale, rental, or lease, in all cases through a bona fide arm's-length transaction, or commercial use, of any
"First Commercial Sale"	Licensed Product by a Selling Party, excluding Non-Commercial Sales.
"Know-How Product"	means (a) any product, method, or service that is Covered by Licensed Know-How, but excludes Patent Products and (b) which has been nominated as a development candidate within [5] years of the Effective Date.39
"Licensed Know- How"	means any know-how, technical information, tangible materials and/or data, that (a) is expressly identified in <u>Exhibit B</u> or (b) was developed by or under the direction of [Principal Investigator] prior to the Effective Date, but excluding any know-how, technical information or data that was in the public domain prior to the Effective Date.
"Licensed Products"	means Patent Products and Know-How Products.
"Licensed	means Patent Rights and Licensed Know-How.

³⁹ In some cases, tangible know-how will be licensed, for which it is appropriate to have royalties extend longer . This number should be linked to the diligence milestones, i.e. if there is a diligence milestone to do XYZ action within 5 years, the term for this definition should also be 5 years. This time limitation is based on the assumption that most of the value of know-how is transferred during the first five years post-License Agreement.

"Patent Challenge"	means any direct dispute or challenge of the validity, patentability, [scope], priority, [construction], [non-infringement]40, inventorship, ownership or enforceability of any Patent Right or any claim thereof, or opposition or assistance in the opposition of the grant of any letters patent within the Patent Rights, in any legal or administrative proceedings, including in a court of law, before the USPTO or other agency or tribunal in any jurisdiction, or in arbitration including, without limitation, by reexamination, <i>inter partes</i> review, opposition, interference, post-grant review, nullity proceeding, pre-issuance submission, third party submission, derivation proceeding or declaratory judgment action. The term Patent Challenge will not include (i) Licensee being an essential party in any patent interference proceeding before the USPTO, which interference Licensee acts in good faith to try to settle, or (ii) Licensee, due to its status as an exclusive licensee of patent rights other than the Patent Rights, being named by the licensor of such patent rights as a real party in interest in such an interference, so long as Licensee either abstains from participation in, or acts in good faith to settle, the interference. A Patent Challenge will not include arguments made by Licensee that (a) distinguish the inventions claimed in patents or patent applications owned or controlled by Licensee ("Licensee Patents") from those claimed in the Patent Rights but (b) do not disparage the Patent Rights or raise any issue of Patent Rights' compliance with or sufficiency under applicable patent laws, regulations or administrative rules, in each case (x) in the ordinary course of ex parte prosecution of the Licensee Patents or (y) in <i>inter partes</i> proceedings before the USPTO or other agency or tribunal in any jurisdiction (excluding interferences or derivation proceedings), or in arbitration, wherein the Licensee Patents have been challenged.
"Patent Products"	means any product, method, or service that is Covered by a Valid Claim.
"Person"	means an individual, sole proprietorship, partnership, limited partnership, limited liability partnership, corporation, limited liability company, business trust, joint stock company, trust, incorporated association, joint venture, or similar entity or organization, including a government or political subdivision or department or agency of a government.
"Selling Party"	means either Licensee or Sublicensee, as the case may be.
"Sublicense"	means any agreement under which Licensee grants any of the rights to Licensed Technology or Licensed Products granted to Licensee under the License Agreement, including, without limitation, any option for such rights.
"Sublicensee"	means any Person that is granted a Sublicense.
"Sublicensing Income"	means any cash or equity consideration received by Licensee from a Sublicensee in consideration of the grant of a Sublicense under the Licensed Technology, including any license fee, license maintenance fee, option fee, milestone payments, and annual fees in excess of earned royalties, but excluding (a) royalties paid by a Sublicensee, (b) equity or debt investments in, or loan proceeds to, Licensee, (c) payments by Sublicensees for payment or reimbursement of patent prosecution, defense, enforcement and maintenance and other related expenses, (d) payments by Sublicensees for bona fide research, development, manufacturing or commercialization activities (including, without limitation, payments for full-

⁴⁰ The square brackets have been inserted so that the parties can consider whether a good faith dispute by Licensee/Sublicensee regarding the scope of the Licensed Patents (for purposes of determining whether a product is a Patent Product for which payments are owed under this Agreement) falls within the ambit of a "Patent Challenge."

	time employees) ⁴¹ , (e) Milestone Payments, (f) any profit share for any product, and (g) payment received in connection with a transaction that constitutes a Change of Control or an option to consummate a Change of Control. Notwithstanding the foregoing, if Licensee receives Sublicensing Income with respect to a Sublicensee's achievement of any milestone that is substantially similar to a Milestone, Sublicensing Income may be reduced by the aggregate amount of such amounts received by Licensee that are due to Licensor for achievement of such Milestone.
"Valid Claim"	means, with respect to a particular country, (a) any claim of an issued and unexpired Patent Right in such country that (i) has not been held revoked, unenforceable or invalid by a decision of a court or governmental agency of competent jurisdiction, which decision is unappealable or unappealed within the time allowed for appeal and (ii) has not been abandoned, disclaimed, denied or admitted to be invalid or unenforceable through reissue or disclaimer or otherwise in such country, or (b) a claim of a pending Patent Right application that has not been finally abandoned or finally rejected or expired and which has been pending [5-7] years from the date of filing of the earliest priority Patent Right application to which such pending Patent Right application is entitled to claim benefit. Any claim in a pending Patent application that is filed after [5-7] years from its earliest priority date will not be considered a Valid Claim until such claim is granted and meets the requirement of subsection (a).

The parties agree that no binding obligations will be created until the written definitive License Agreement has been duly executed and delivered by authorized representatives of the parties. It is understood that the parties are free to terminate the discussions at any time for any reason prior to the execution of the definitive License Agreement.

⁴¹ A Sublicense should clearly delineate what fees are received for R&D activities. Some universities restrict R&D deductions to R&D on the Licensed Products.

EXHIBITS

Exhibit A – Patent Rights

Exhibit B - Licensed Know-How