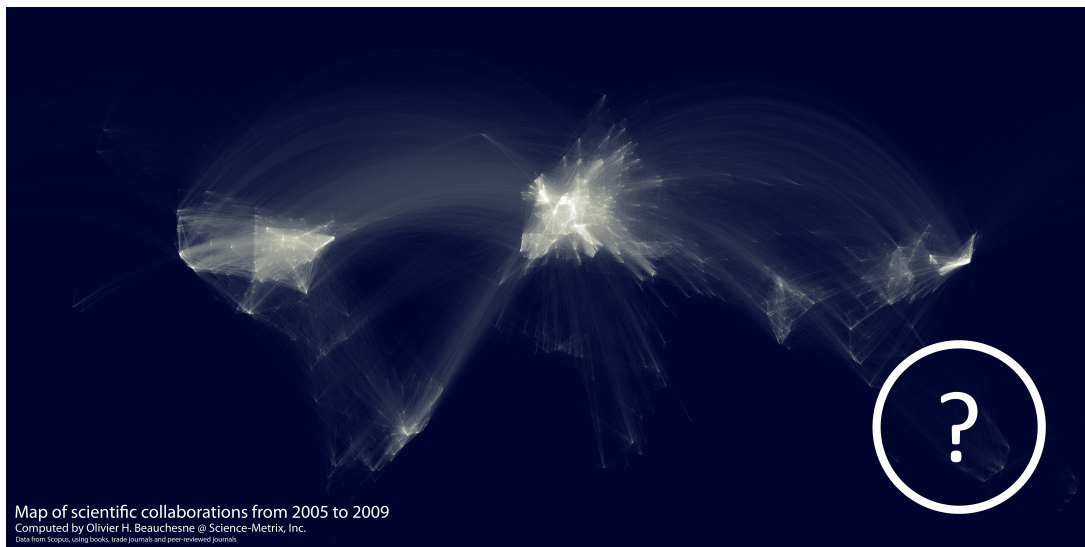


WHITE PAPER  
THE PLATYPUS PROJECT

---

A new Home for  
Theoretical Physics and Innovation  
in Australia

---



Dr. Shane Farnsworth  
Dr. Claudio Paganini

## **Imagine the Future**

December 10. 2050, you are at the Konserthuset in Stockholm. The speaker announces: “This year’s Nobel Prize in physics goes to Prof. Dr. Keating for her outstanding work in theoretical physics. Her ground breaking ideas were developed during her time at the Platypus Innovation Center in Australia...” It is the climax of the most successful month in the history of the Platypus since its launch in 2022. Just weeks earlier Scion Inc., a sprout from the startup ecosystem of the Platypus Innovation Center, had completed the biggest IPO in Australian history and the Platypus is thriving as never before...

**...a dream come true**

*Our dream is to establish a novel type of innovation center in Australia, which is built around the worlds leading institution for theoretical physics, and which is deeply integrated into the local economy. We are looking for your support.*

*Understanding our world at a fundamental level is playing an increasingly important role in guiding the development of new technologies. Theoretical physics has a far reaching impact, and is inexpensive when compared to the experimental sciences. It is also of tremendous cultural value, and we believe that all Australians should have access to the deepest questions about their universe and their existence. We also believe that the Australian spirit has much to offer to the global research community. It is time to construct a home for innovation and theoretical research that reflects a deeply Australian character. It is time to connect our geographically isolated departments, retain our most imaginative youth, and draw the worlds brightest to our shores.*

*In the following pages we summarize the motivation, goals, structure, and financing for a first-of-its-kind center for innovation in both science and the economy: a hybrid institution that pairs fundamental research in theoretical physics with a tech cluster, and ultimately a startup incubator of its own. We present an organizational outline for such an institution as well as the potential benefits for Australia. Our current aim is to initiate a discussion, as well as to solicit support from the academic community, established businesses, the startup community, politicians, philanthropists and the wider society. We also seek to secure funding for a two year launch phase, in which to develop a higher resolution blueprint in preparation for the establishment of the Platypus.*

# Theoretical Physics is important to Australia

Theoretical physics addresses the most fundamental questions concerning the universe that we live in: where it came from, what its constituent parts are, what forces drive its dynamics, and ultimately what its fate will be in the long distant future. Theoretical physics is about making the full complexity of our universe understandable. It leads to technological innovation, and plays a vital role in the cultural health and vigor of our country.

---

Investment in theoretical physics takes a long-term view of our aspirations as a nation. A healthy and vibrant theoretical physics community adds a layer of sophistication to our experimental searches for new physics, and supports the kind of fundamental research that has historically proven invaluable to society, spearheading the development of lasers, microchips, practical applications of microwaves and x-rays, as well as accurately functioning GPS and many other advances. Innovation based on solid theoretical foundations is becoming increasingly relevant for sustaining economic growth in a world of finite resources. For Australia, supporting the development of intellectual capital has played a key role for home grown technological developments such as WiFi and ultrasound. It has also made significant local infrastructure projects such as the over the horizon radar possible, and makes Australia more attractive to foreign investment as a host location for international collaborations such as the square kilometer array telescope.

Investment in theoretical research also supports our most imaginative youth. The drive to know and understand at an ever deeper level feeds the human spirit as much as music, paintings, movies, and any sort of art. Our knowledge that the earth rotates about the sun, that we are made up of

atoms, and that our universe is expanding out of the big bang are all intricately woven into our culture, and our understanding of who we are. Supporting theoretical research means supporting the most curious and inventive among us, and provides young Australians with the assurance that absolutely any career is available to them right here, at home in Australia. We want our young and old alike to have the opportunity of contributing to the human story at the forefront.

Investment in theoretical physics also showcases the intellectual character of our country to the world and allows Australia to lead the direction of scientific progress for the benefit of everyone. A robust academic environment also ensures that our institutions of higher learning remain attractive to the very best researchers from around the world, and helps Australia retain and develop its own top talent. It is this talent in theoretical and mathematical physics that trains and mentors our future innovators and engineers, advises our leadership, and ultimately filters into industry and the economy upon leaving research and academia. Australian investment in theoretical physics directly supports our most hard working, studious, and creative youth, and is one of the most forward looking pursuits that we can invest in as a society.

## The Challenge: Geographic Barriers

Australia is the only G12 nation that does not support a dedicated institution for theoretical physics. This lack of directed investment, coupled with the unique demographic and geographic features of our country leave our theoretical physicists isolated, and limits the impact they are able to have in their work.

---

Our departments are geographically isolated from the developments taking place in the traditional research centers of Europe and the US, and the major population centers within our country are far apart. In addition, the critical density of researchers required to form effective collaborations and make efficient use of funding is often absent within key fields in many of our departments. Academic isolation is exacerbated in smaller departments with limited resources, and is particularly significant in theoretical physics where cultural power blocks often shape the dynamics of the field.

There is currently a strong preference for the worlds leading researchers to live and work in the US or in Europe, where they have immediate access to broad and deep expertise, and ready access to workshops and conferences, as well as the academic momentum resulting from historical investment in science. Australia's isolation and the size of our population are currently seen as an unmanaged impediment to a successful and fulfilling career in theoretical physics, and this image only serves to further exacerbate the problem. Our challenge is to build Australia's unique circumstances into an advantage, to build the quality, scope, and scale of theoretical physics in Australia. Our goal is to make Australia the leading home for theoretical physics in the world. We want to enable every university in Australia to offer a complete curriculum in theoretical

physics with a breadth and depth comparable to the programs offered at the worlds foremost institutions. We further want to improve the efficiency of research spending, and to more effectively integrate fundamental research into the Australian educational system and economy. These goals are achievable, but will require new ideas that go beyond the traditional institutional setting for research in theoretical physics. The academic landscape is changing as the world becomes ever more connected. Other nations have begun to seize upon the growing opportunities by constructing dedicated research institutions. The rise of Asia as an economic powerhouse and a research leader presents a unique opportunity for Australia to become a global super-node for research and innovation. Fortunately Australia has a well educated population and a stable and diversified economy, and is perfectly positioned to take the lead. The time is now to begin constructing the worlds foremost institution for theoretical physics right here in Australia. The Platypus will house a critical density of researchers in all areas of fundamental physics. It will act as a hub, connecting researchers within Australia, and link our institutions to the rest of the world. It will offer services to our universities to expand their curricula, free up their researchers, and bolster their investments. It will place our country for the first time as the world leader, second to none, in theoretical research.

## The Challenge: Social Barriers

Creating a new institution presents a unique opportunity not only to build a place that generates first class research, but to set it up in such a way as to have far reaching and positive impacts on the wider scientific culture and society as a whole. We will promote a healthy working environment with fair, merit based career progression as well as clear paths for transitions into industry.

---

There are several key problems with the way that academic careers are currently structured, which limit progress, squander human capital, and drive talented people out of careers in science without providing a clear path into industry. A core issue that we will address is that of job security. Tackling this one issue will have far reaching and positive impacts on the mental health of scientists, and on key diversity measures. It will also produce better scientists and better science, while providing the opportunity for the top academic talent that we invest in to establish the kind of social roots that will keep them in Australia long term.

Short term contracts ranging from one to three years coupled with frequent international relocation are the current norm for young researchers. Such contracts squash creativity, and lead to short term thinking and distraction at a pivotal time when early career researchers should be most free to explore bold new ideas. Securing employment is a continuous and time intensive process for today's young academics, that can waste months out of every funded year. Short term instability is exacerbated by poor long term job prospects, a situation which is particularly difficult for young couples, with partners often being incapable of finding short term work or planning their career in the long term. The majority of postdocs do not secure permanent research positions.

Many institutions have become overly bottom heavy, with the ratio of students and postdocs relative to tenured positions increasing steadily. The result, scientifically, is that our most successful researchers are often promoted into what are effectively administrative and grant writing positions. In turn, with evaluation of academic performance focused largely on publication records and citations, community engagement and services such as review writing, in depth refereeing, and scientific outreach are often neglected.

The creation of a new institution presents a unique opportunity to set new academic standards. We will provide young researchers with the uninterrupted time and space they need to focus on the risky but meaningful work that will launch their academic careers and drive our country forward. Smaller research groups with a greater proportion of permanent positions will reduce and distribute administrative load, increase opportunities for collaboration, flatten the academic hierarchy, create realistic opportunities for a future in academia, and create a greater proportion of scientific leaders. Longer contracts will enable young researchers to plan their life ahead, and to build strong social ties in the local community. Strong partnerships with established businesses will be used to create clear pathways into Australian industry for those researchers who decide to leave academia.

## The Challenge: Economic Barriers

The immediate benefits of fundamental research for the wider community are often difficult to quantify, and this can stifle financial investment. Focusing on services and taking advantage of the development in real estate stimulated by a top institute, while creating more direct bridges between fundamental research and the economy will facilitate investment in future innovation.

---

Securing funding is one of the main challenges of a career in research, and academics spend a substantial portion of their time in competition, hunting for grants and applying for positions. One key difficulty is that fundamental research is not directed towards financial profit, which means that research is often dependent on government grant programs, or private donations. The benefits of fundamental research, however, often arise on time scales far beyond the usual time horizons of politics, the economy, or the pockets of individual donors. As a result funding is often employed in an ineffective manner, which constrains scientists and negatively impacts the science being funded. As an example, the requirement to make use of grant money by a hard deadline can lead to the purchase of unneeded equipment or the employment of postdocs on part-time salaries or on very short contracts.

Studies have shown, that making researchers (and universities) compete for funding does not lead to better science. Useful competition occurs when the end goals of competitors align. In Australia, as in other countries, competition for research funding occurs over a diversity of research objectives, and between universities for their own status and ranking. Short term solutions such as the development of centers of excellence are a step in the right direction, but do not eliminate the problem. They also result in large overhead

costs, and a flurry of activity which collapses at the conclusion of funding.

Australia has the opportunity to create a largely self sustaining institution, entirely decoupled from continued public support. The Platypus, rather than competing with existing universities will build up and support them, while creating an environment in which the time spent writing grants and proposals is replaced with more meaningful interactions between researchers and our most innovative young entrepreneurs. We will achieve this goal by taking advantage of the key short term benefits of fundamental research. In particular, the fact that a top research institute attracts companies and leads to developments in the surrounding real estate. Further our researchers will provide teaching services to educational institutions that draw in funding through their students, which is currently Australia's fourth largest export. Services will be offered in the form of online courses, visiting programs, and sabbatical programs, allowing for expanded curricula and cost sharing across institutions. Finally, training in theoretical physics specifically builds up exactly the kind of intellectual capital that is increasingly sought by tech startups and other areas of industry. We will incentivise investment from industry partners, by producing programs that provide companies with unique access to talented graduates with the keenest mathematical ability and physical intuition.

## **A Window of Opportunity**

We envisage a first-of-its-kind Innovation Center, combining cutting edge research with an entrepreneurial ecosystem. We will break with many traditional structures in academia. We will build an institution which has its sights on the ideas of tomorrow. We will develop an environment for excellent scientific research. We will forge a new path towards an improved work environment for junior researchers. We will provide a launchpad for stellar careers and maybe even the next Australian unicorn...

**...Let's Catch The Wave!**



## Our Solution

The Platypus embeds the world’s leading research institution for theoretical physics in an entrepreneurial ecosystem. Industry and university partnerships will be leveraged to directly tackle the geographic, social, and economic challenges facing Australian academics today, with the goal of harnessing and accelerating Australia’s full intellectual and economic potential.

---

Situated outside of the usual university framework, the Platypus will provide a novel context to reshape the way that academia is structured, and to directly address the geographic, social, and economic barriers that inhibit science in Australia today. We will establish the Platypus as an entrepreneurial campus built around the world’s leading institution for theoretical physics. Serial entrepreneurs, tech startups, and established businesses will be invited to open branches on site. The entrepreneurial ecosystem will consist of businesses that draw heavily on related expertise, allowing them to directly benefit from the presence of world class academics and graduates as well as the support structures available at the Platypus, such as computational clusters and administrative support.

While the Platypus will initially depend on private and government support, the long term goal is to become self supporting. This will be achieved through the delivery of academic services to universities and industry partners, as well as from return on the initial endowment. The endowment is to be built from private monetary donations, while we anticipate the initial government support to come primarily in the form of land donations in an underdeveloped region which will increase in value substantially as the Platypus develops the local area. On yet longer hori-

zons, supplementary income will be derived from the development of a mature startup ecosystem with its myriad investment opportunities.

The key strategy for the long term financing is thus to recuperate a larger portion of the added value generated by the research institute to fund the research activities. This strategy relies on the fact that top tier research institutions attract investment from industry into their surrounding area. The presence of top STEM graduates attracts the establishment of R&D offices from tech firms, which, historically, have led to the development of local tech clusters in many places around the world. In turn, large firms and their employees attract further business and drive up local land and housing prices. The key is to anticipate and facilitate this process, by holding decisive early investments in surrounding property and infrastructure, obtained through the initial government endowment, and developed through private investment.

In addition to ensuring that the Platypus becomes self supporting, embedding an institute for theoretical physics in an entrepreneurial ecosystem serves the second purpose of allowing resident academics to build natural connections into industry, highlighting valid career alternatives for researchers wishing to leave academia.

## Our Solution: Academic Opportunities

We will flatten the academic hierarchy by increasing the ratio of permanent faculty to postdocs and PhD students, while increasing the standard length of postdoctoral placements. This will create job security and realistic pathways for career progression, allowing young researchers to pursue more daring ideas, while maintaining a healthy family and social life. This will provide an attractive and productive environment for researchers at all career stages. The Platypus will serve as a national hub for theoretical physics in Australia providing service lectures to all universities, enabling them to offer a curriculum on par with top universities worldwide.

---

The Platypus will function as a national hub, creating permanent links between all affiliated departments, and allowing Australian universities to punch well above their weight on a global scale. It will host 15 researchers at minimum in each research domain, including PhD's and at least three permanent positions. Contracts for postdoctoral researchers will be standardised to 5 years increments. Doctoral Students will be hired on 3+1 year full time research contracts. A critical density of researchers in all areas of theoretical physics will provide opportunities for local collaboration to all researchers across the country. The Platypus will be non-degree granting, and as such all permanent members will be affiliated with participating universities across Australia, through which their students will graduate. Academic services, such as courses, visitor services, conference hosting, and career training will be provided to participating departments. Courses offered, both online and through short term residency programs, will broaden Honours and Masters level curricula for all participating Universities, while at a later stage the

Platypus will also offer its own Masters program, designed in close coordination with university and industry partners. In-demand-training in transferable skills, including writing courses and presentation training, will be offered to all Masters and PhD Students, while junior and principal investigators will have access to teaching and leadership programs.

Coupled with teaching services a sabbatical program will be offered for researchers at affiliated Universities, and a visitor program will invite international researchers on visits that include extended stays at affiliated universities, in addition to time spent at the Platypus. The visitor program will be managed by junior researchers from across Australia to guarantee a fair representation of interests and a selection of visitors geared towards enriching the research experience for the next generation of leaders in Australia. These programs focus on alleviating research isolation, while freeing up time and resources for academics across the country. Our approach will create opportunities for all Australian students and researchers, to form a more healthy, capable, and unified community.

## Our Solution: Entrepreneurial Ecosystem

We will tighten the relationship between fundamental science and industry by partnering with software and data heavy industries that are keen to hire graduates and are able to benefit from the expertise of researchers at the Platypus. Our approach will draw in a network of business mentors and industry partners that spans Australia, creating new avenues for research funding and novel pathways for researchers into industry, while at the same time providing an optimal environment for enterprises to flourish.

---

The Platypus will establish a vibrant entrepreneurial ecosystem surrounding the research division. The long term objective is for the entrepreneurial ecosystem to serve as a creche for startups. This will require forward planning with industry involvement developing as the academic wing of the Platypus continues to draw local and international talent. Our focus will be on software and data heavy industries such as FinTech including traditional banks, as well as LegalTech, Data Analysis/Machine Learning as a Service and the fast growing sector of Digital Health.

Industry relations will be based initially on the transition of graduates and researchers into the workforce. This will be facilitated through industry sponsored summer programs, as well as hackathons and other related challenges aimed at drawing in the brightest physics and mathematics students from across the country. We will also organize workshops on current topics aimed at attracting personalities from politics, industry, and the arts. This establishes the Platypus as important networking platform for decision makers in Australia. As the academic arm of the Platypus grows the summer programs will be expanded into a full Masters program, and

courses will be included which improve the students employability with our industry sponsors and partners.

Our industry partners will share communal and social infrastructure with the academic wing of the Platypus. We will initially solicit a number of large companies to establish research offices on campus, as well as adolescent startups lead by serial entrepreneurs. These are preparatory steps towards our long term goal of establishing a incubator program at the Platypus, with access to potential partners, customers and mentors at every level of business experience on site. The incubator program will grow over time to match the size of the academic divisions. An incubator program round will begin with a three month intensive accelerator component. Companies that manage to secure angel investing will continue on to a 9 month incubation phase with reduced support. A quarterly rotation ensures that a wide diversity of business areas will be represented as part of the program in each calendar year. The concentrated intensive phase at the beginning of each program will allow mentors from across Australia to be present and participate in compact intervals.

## The Solution: Organization

We will create an environment that will allow all members of the Platypus to focus on what is most beneficial to the advancement of their companies or academic careers by establishing a lean central management who's objective is to curate an enabling culture and at reducing the administrative load for everyone.

---

The Platypus will be administered by a central management that provides a range of services, including an IT department, financial services, and various other support roles, as well as a dedicated administrator for each research area in the academic division. The central management will be responsible for communal and social infrastructure as well as for liaising with the companies present on campus, and curating the necessary industry contacts and establish a broad network of supporters. In the long term, dedicated support staff will be assigned to oversee the development of the incubator program.

Shared services across the campus will allow for an economy of scale that is usually not possible for standalone institutions. The support services provided by the central management will also include library services and journal access, as well as IT infrastructure with cluster access and timely support. The Platypus will hire a support team to assist researchers with various tasks including coding problems, conference organisation as well as career services. Industry partners on site, including startups, will have access to these services at competitive rates.

Employment decisions including holiday allowance and maternity leave will be separated from academic supervision and mentorship, and to this end all employment relationships in the academic division will be organized through the cen-

tral management. To reduce the influence of internal and external academic pressure groups, academic hiring will occur in a two step process: Postdocs and external experts will shortlist applicants for permanent positions. Final decisions will then be made by central management and external non-academic panel members. Permanent members will retain control of PhD and postdoc hiring decisions, as well as control of their individually awarded grants.

The central management will be accountable to a governing board. The main tasks of the governing board will be to ensure that the central administration is run as lean as possible and to monitor the performance of the academic division. In addition, a key directive of the governing board will be to ensure that the administrative duties for all members of the Platypus are kept to a minimum. The purpose, principals, and high level regulations under which the Platypus functions will be outlined in a founding charter. Furthermore, every new head of the central management will negotiate evaluation criteria with the governing board, under which the academic division's success will be judged. For the academic division this metric will in particular include services to the academic community such as membership in committees, as well as science communication and outreach. These criteria will influence final hiring decisions.

## The Execution: Choice of Location

Deep integration into the local theory community and wider Australian society is an important part of the Platypus's conception. The choice of location is paramount, and will be based on a number of criteria.

---

Some key requirements for the future location of the Platypus are:

1. The Platypus must be conveniently reached from all Australian Universities, as well as internationally. A nearby airport with direct international flight options will be essential.
2. The location must facilitate market access for companies. This includes access to industry, test markets, and networking opportunities.
3. The Platypus must be located so as to facilitate a close partnership between the researchers and a local university.
4. A location where a large swath of surrounding real estate can be acquired for the Platypus to take full benefit of the development.
5. One of Australia's biggest assets is its natural beauty. The Platypus should be situated to take advantage of that, so as to attract international researchers.
6. The Platypus should be located in close proximity to a vibrant urban center that offers excellent social opportunities.

The location of the center must be chosen to facilitate rapid early phase growth, while providing opportunities for expansion, as well as an environment that will remain attractive to top talent in the long term. A key goal of the institute is to become self sustaining by increasing the value of its holdings. This will be achieved by attracting and accelerating development in the local economy and academic environment. Integration into the existing local community will also be imperative. The campus will be designed to ensure natural interaction with the public, while allowing a quiet and focused environment for academics and businesses working at the Platypus. Space will be provided for targeted outreach programs for schools, and

regular public events, which will make the Platypus a part of the local social life. Public evening talks at the Platypus will be hosted regularly, as well as incorporated into academic conferences. Furthermore, the Platypus will hold networking events, dinners, and public debates to connect the companies and researchers with the local community. These facilities and services will be of direct benefit to the surrounding economy and society, which in turn will positively impact the financial sustainability of the institute.

No matter where the Platypus is launched, it will engage in science communication on a national level, including special initiatives focusing on rural Australia.

## The Execution: Long Term Perspectives

The long term perspectives for the Platypus depend strongly on the size of it's initial endowment. On this page we present three scenarios that illustrate what that implies in practice.

The following scenarios are based on a stepped development over 20 years.

The 'Minimal Platypus' scenario defines the minimal endowment necessary to operate a meaningful innovation center, below which the Platypus would fail to cross a number of critical thresholds required to establish a virtuous cycle. In particular, anything less would fail to reach the threshold at which hosting a Masters program would become feasible. Accordingly, the number of graduates and resident staff would be substantially reduced greatly limiting the incentives behind industry partnerships. Nevertheless, in the minimal scenario the Platypus would be restricted to covering a reduced set of academic fields, and would be far from the comprehensive institution we envision and deem necessary to overcome the various challenges to research in theoretical physics in Australia. For example it does not reach the critical size to operate its own incubator program. For the minimal scenario to reach a self sustaining state after 20 years the initial endowment would

need to be of the order of 120M AUD, including land grants.

In the 'Effective Platypus' scenario we will be able to build a physics institution on par with the best in the world, both in terms of breadth and depth of research and teaching. This scenario would furthermore allow for a number of more applied 'bridging' research areas to be incorporated, which will increase the relevance of the Platypus for our industry partners, thereby accelerating the sought after virtuous cycle. The 'Effective' scenario will provide the critical size, which allows for the development of a full scale incubator program, and will require approximately 240M AUD in initial endowment.

Finally, the 'Optimal Platypus' scenario shows what is possible with a more substantial endowment. In this scenario the Platypus would become the leading institution for theoretical physics second to none in the world. The initial endowment required to guarantee the execution of this scenario over a period of 20 years would amount to 360M AUD.

Covered Domains			
Scenario	Fundamental Research	Bridging Research	Industry Focus
Minimal Platypus	Particle Theory Condensed Matter Cosmology Quantum Gravity		FinTech Data Analysis LegalTech Digital Health
Effective Platypus	Mathematical Physics General Relativity Quantum Foundations	Quantum Information Machine Learning & AI Cryptography	Social Networks travel tech on demand
Optimal Platypus	Philosophy of Science	Theoretical Chemistry Computational Social Science	Video Games

## The Execution: Launch Plan

The launch phase of the Platypus will take two years. A team of three will lay the foundation for the center, including the business plan, organizational structure, location, and founding charter. The goal will be to secure an endowment that will allow for the development of the Platypus over the first decade of operations. Particular focus will be given to obtaining a high percentage of non-governmental financial support from philanthropists and industry partners. We will initially require 1.25M AUD in funding over a two year period to execute our launch plan.

---

The launch team will consist of three people. One will focus on developing the organizational structure of the academic branch, as well as securing support from researchers and academic institutions. A second role will focus on developing the blueprint for industry partnerships, and will be responsible for developing a network of industry partners including entrepreneurs and philanthropists. A third role will focus on developing the central management, including the choice of location and infrastructure plans, and will be responsible for building political support. The action plan for the launch phase is as follows. An initial three month period will be spent organizing the launch team, and developing a low resolution organizational blueprint. Following this period, three months will be spent in intensive reconnaissance, visiting research institutes and incubators across the world to aggregate as much hands on experience as possible, as well as developing invaluable connections. A three month period will follow, in which the insights gained during the reconnaissance period are integrated into the organizational blueprint for the Platypus.

Once the basic organizational framework is in place, we will hire a business consultant and accountant to polish the detailed business plan for establishing the Platypus. During this six month period we will also begin to ramp up our networking and lobbying activities to assemble strong political support and establishing contacts to potential industry partners for summer and Masters program as well as gathering support from philanthropists from across Australia. During the final nine months we will focus entirely on securing sufficient support to operate the Platypus over its first decade of operations.

The following page includes a gantt chart and budget for the launch period. The largest expense is the salary for the launch team. Travel funds constitute another significant expense. This is true both for the initial reconnaissance trips, especially those to the US and Europe, as well as for business travel within Australia during the later stage of the launch period. It will take a minimum operation time of ten years for the Platypus to establish an international reputation, and a further 10 years to begin operating at full capacity.

Launch Plan Gantt Chart								
	Year 1				Year 2			
Organizing								
Reconnaissance								
Blueprint								
Local Networking								
Business Plan								
Funding drive								

Budget Launch Period	
<i>Purpose</i>	<i>AUD</i>
<i>Salaries</i>	
300% PostDoc level positions for two years + 30% on-costs	780,000
Administrative costs & accounting 6 month salary + 30% on-costs	65,000
Technical Assistance & consultancy 6 month salary + 30% on-costs	65,000
<i>Reconnaissance trips, complete team, one week per institute.</i>	
USA: Perimeter, Simons Institute, Y-Combinator	30,000
Africa: AIMS, ICTP	22,800
Asia: OIST, KAIST, KIST, IBS	20,700
Europe: Max Planck, FinTech Incubator Zurich & London	27,000
Israel: Weizmann Institute	11,400
Further Locations	22,800
Domestic travel (lobbying philanthropists, politicians, investors)	100,000
<i>Other Expenses</i>	
Fundraising events	50,000
Office: home office or hosted by a university	0
Office supply (software, hardware, paperware)	30,000
Online and print outreach (website design, high quality printing)	30,000
<b>Total</b>	<b>1,254,700</b>



# Supporters

Add your name to the list!

Prof. Tibra Ali	Associate Dean of Research, Brac University, Bangladesh
Dr. Lashi Bandara	Postdoc, University of Potsdam
Dr. Béatrice Bonga	Assistant Professor, Radboud University
Dr. Mark Bugden	Postdoc, Max Planck Institute of Animal Behavior
Dr. Erik Curiel	Assistant Professor, Munich Center for Mathematical Philosophy Research Fellow, Black Hole Initiative, Harvard University
Prof. Felix Finster	Full Professor, University of Regensburg
Dr Elena Giorgi	Assistant Professor, Columbia University
Prof. Eduardo Guendelman	Full Professor, Ben Gurion University of the Negev
Dr. Stefan Huber	Researcher, Leibniz Supercomputing Centre
Prof. José Maria Isidro	Full Professor, Universidad Politécnica de Valencia
Prof. Niky Kamran	James McGill Professor of Mathematics, McGill University
Dr. Johannes Kleiner	Research Associate, Munich Center for Mathematical Philosophy
Dr. Isha Kotecha	Postdoc, Okinawa Institute of Science and Technology
Dr. Eric Ling	Hill Assistant Professor of Mathematics, Rutgers University
Dr. Karapet Mkrtchyan	Research Fellow, Imperial College London
Dr. Siyuan Ma	Postdoc, Sorbonne University
Prof. Marc Mars	Full Professor, Universidad de Salamanca
Dr Stephen McCormick	Researcher, Uppsala University
Dr Markus Miettinen	Research Group Leader, MPI of Colloids and Interfaces
Dr. Michael Peterer	Partner at msg Group, Head of Public Sector Switzerland
Dr. Laise Rosado de Souza	
Felix Rundel	Co-Founder futurehain, Former Exec Dir Falling Walls Foundation
Prof. Miguel Sánchez	Full Professor Universidad de Granada
Markus Strehlau	PhD Student, B-TU Cottbus-Senftenberg