

# Plans for growth: OIST Campus Today

## 成長計画：今日のOISTキャンパス

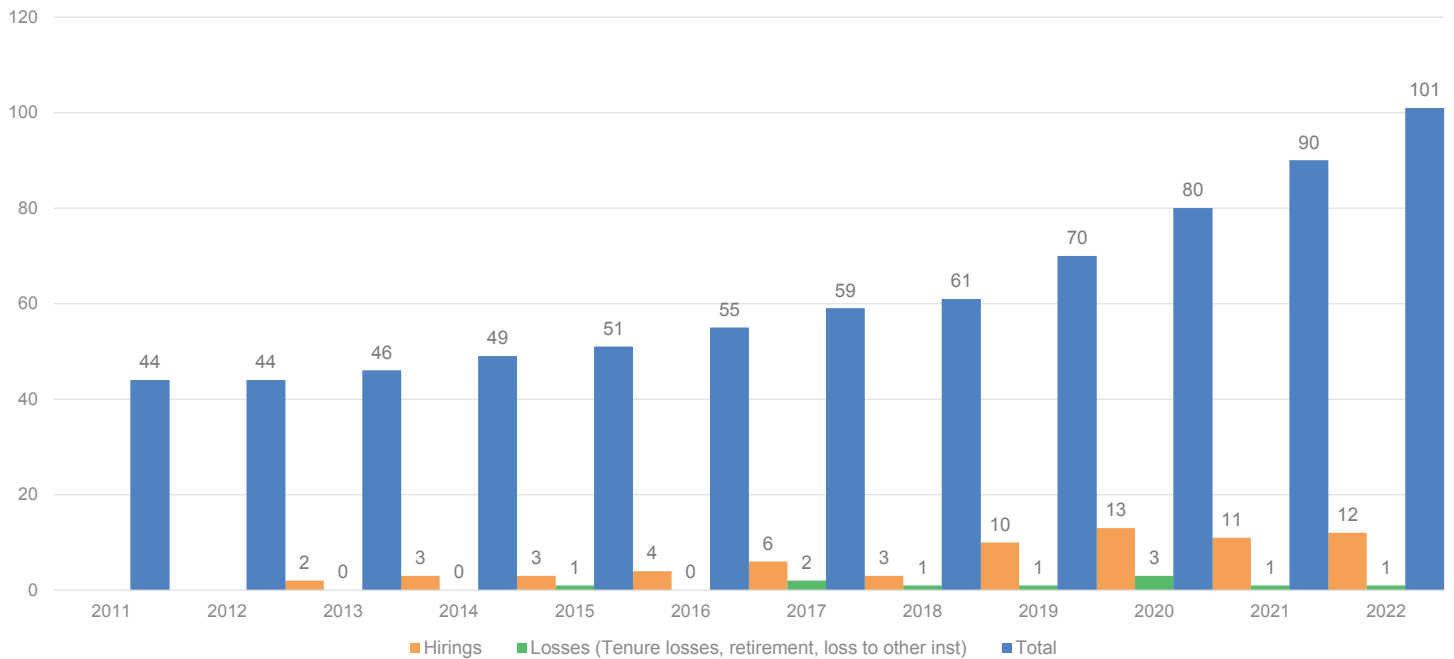


# OIST Campus Tomorrow

## 将来のOISTキャンパス



## Projected Numbers for Faculty



## Education of Children of OIST Members

Comments from Perspective Council members:

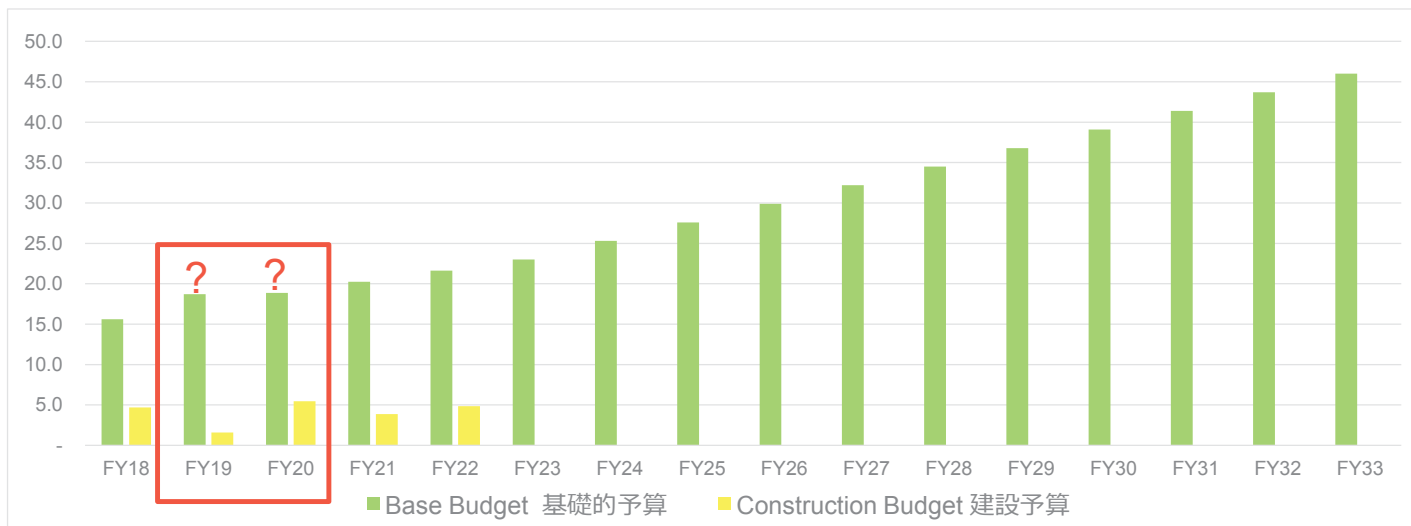
- The lack of an international school with an international baccalaureate program reduces OIST's pool of potential faculty and researchers.
- The Council has offered to write a strong letter to the government urging the need for a high quality international school.
- The Council acknowledged that this has been an ongoing conversation since the conception of OIST.



## Simulation of Budget for FY20-FY22 (base budget + construction budget) FY20-FY22 予算シミュレーション (基礎的予算+施設整備費予算)

	FY18	FY19	FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28	FY29	FY30	FY31	FY32	FY33
1 Headcount of faculty 教員数	70	76	82	88	94	100	110	120	130	140	150	160	170	180	190	200
2 Base Budget 基礎的予算	15.6	18.7	18.9	20.2	21.6	23.0	25.3	27.6	29.9	32.2	34.5	36.8	39.1	41.4	43.7	46.0
3 Construction Budget 建設予算	4.7	1.6	5.5	3.9	4.9											
4 Total Budget 予算 (合計)	20.3	20.3	24.3	24.1	26.5											

Budget Per PI, 教員当り予算 = 0.23 Billion yen, 10億円



## Outline

- Overview and brief history of OIST
- Excellence in Research
- Excellence in Education
- Excellence in Innovation
- External funding
- Plans for growth
- Roadmap towards 2021



# Roadmap towards 2021



## Perspective Council Members 研究展望委員会メンバー

External

Internal



Ryoji Noyori  
野依 良治



Steven Chu  
スティーブン・チュー



Anthony Hyman  
アンソニー・ハイマン



Kenji Doya  
銅谷 賢治



Amy Shen  
エイミー・シェン



Síle Nic Chormaic  
シーレ・ニコーマック



Ada Yonath  
アダ・ヨナス



Tobias Bonhoeffer  
トビアス・ボンヘッファー



Eric Betzig  
エリック・ベツィグ



Evan Economo  
エヴァン・エコノモ



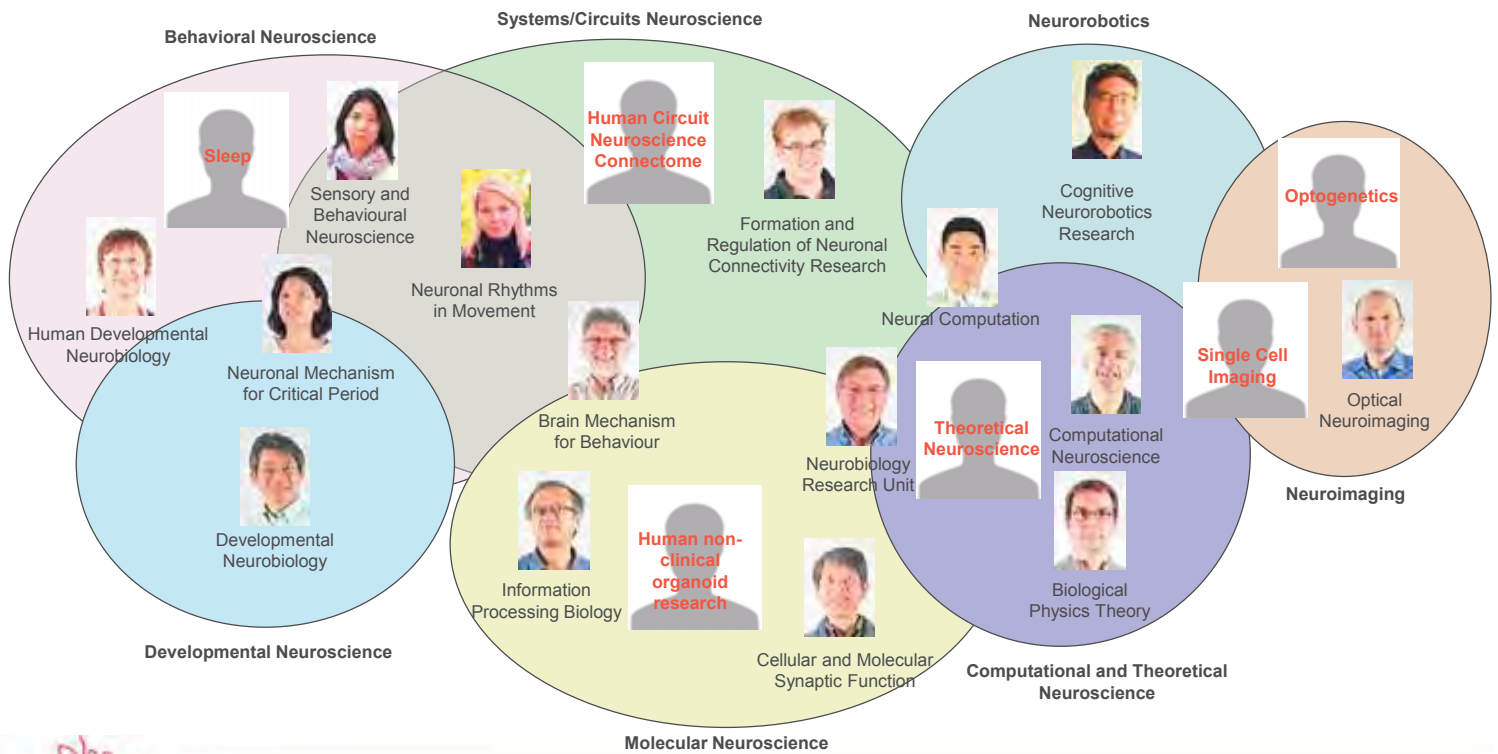
Yohei Yokobayashi  
横林 洋平



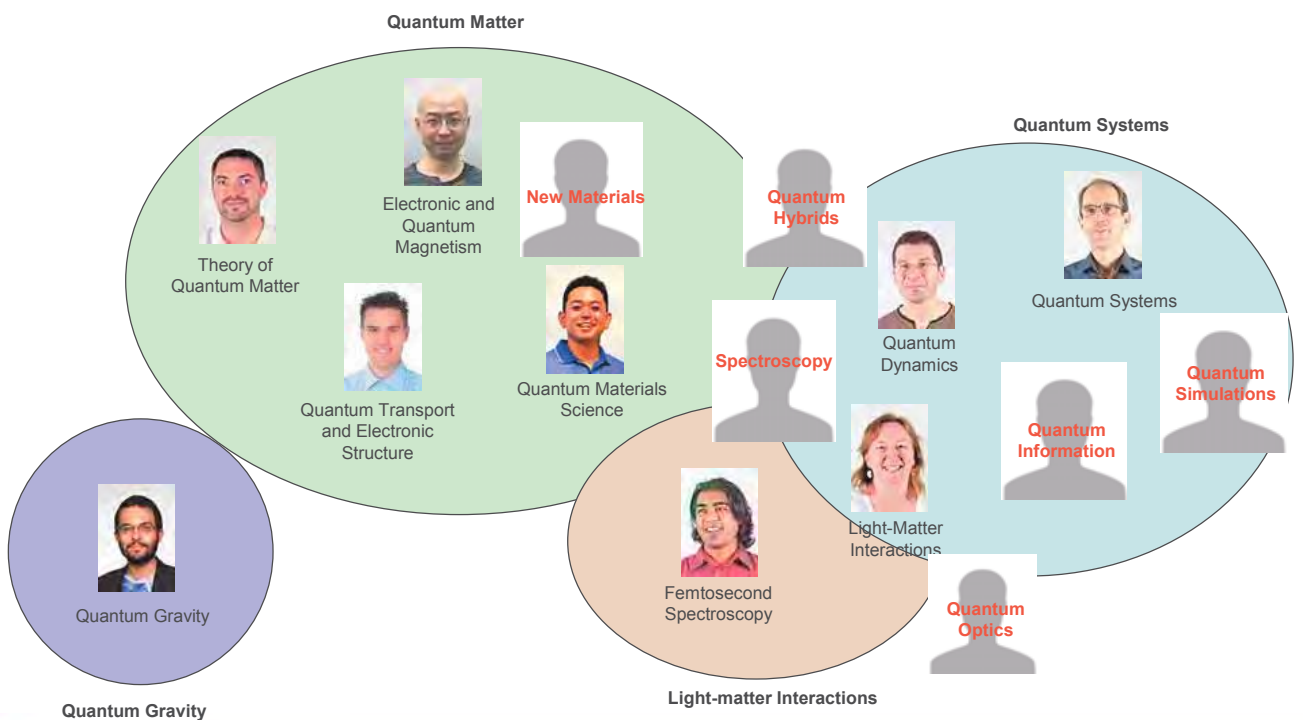
Ichiro Maruyama  
丸山 一郎



# Subject Area Recommendations: Neuroscience

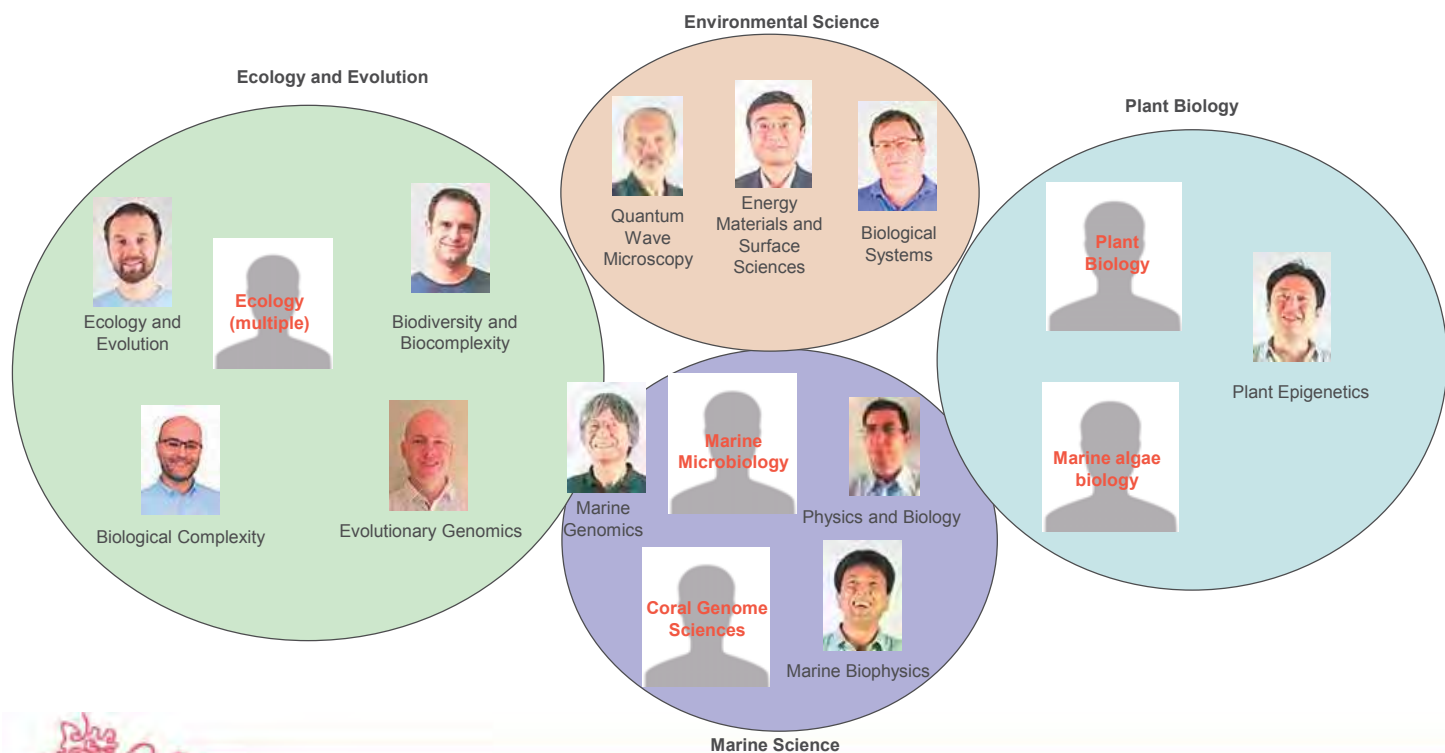


# Subject Area Recommendations: Quantum Sciences

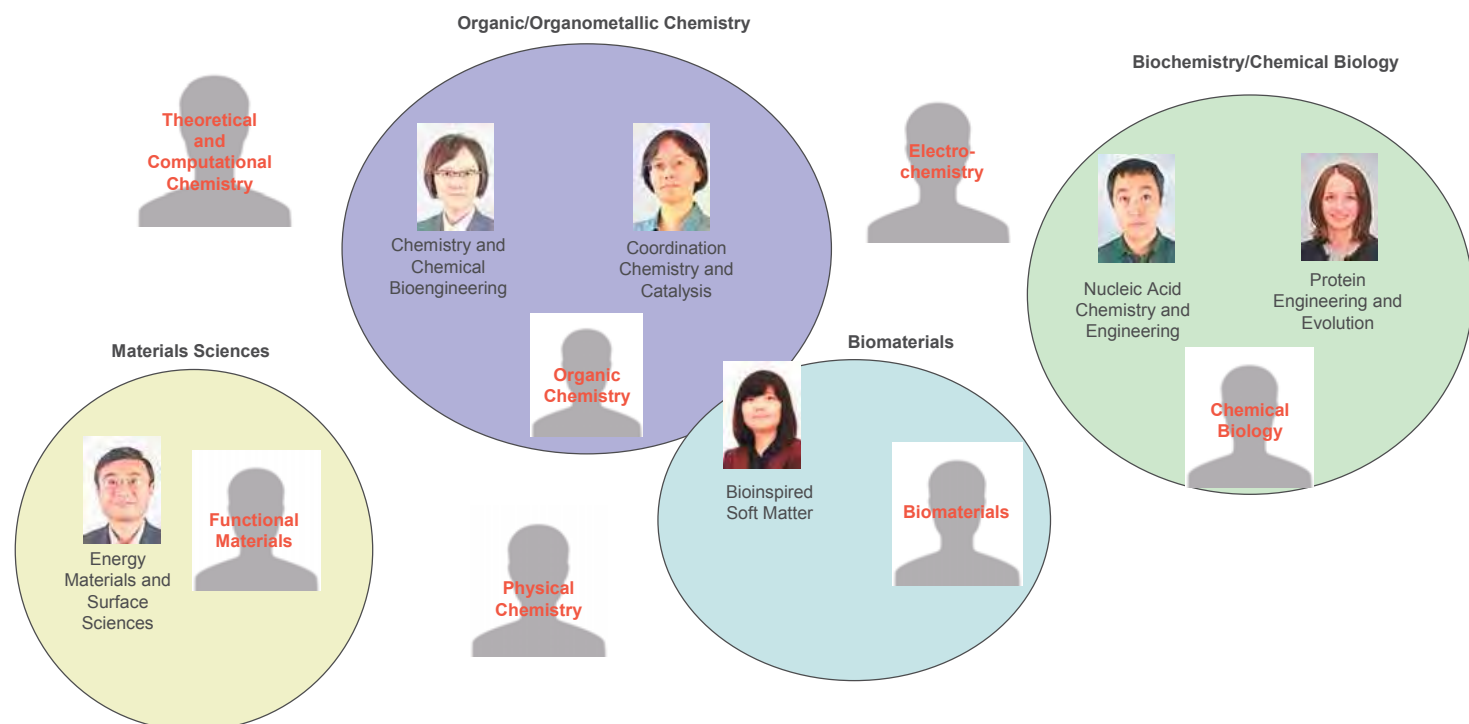




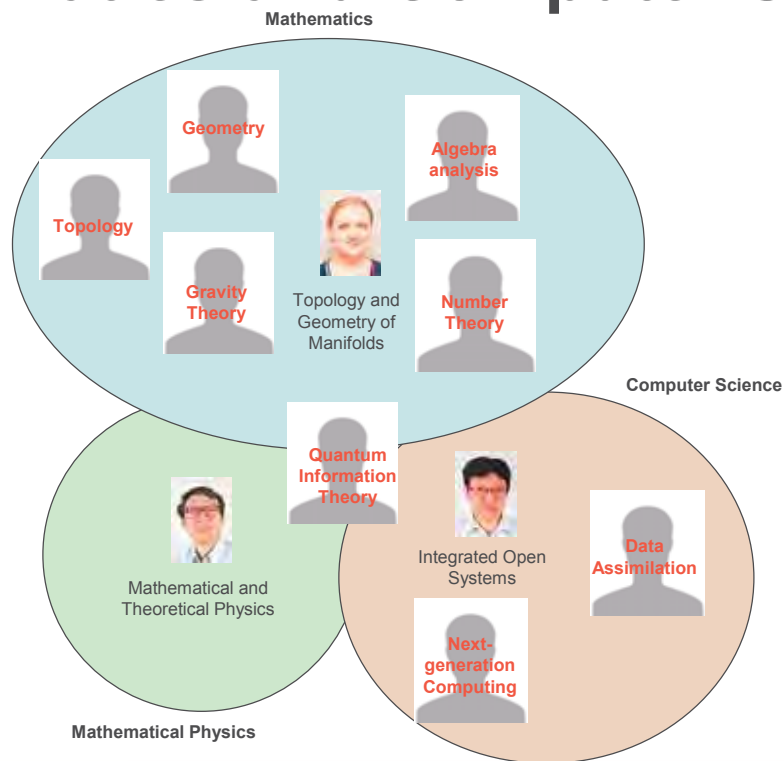
# Subject Area Recommendations: Ecology and Environmental/Marine Science



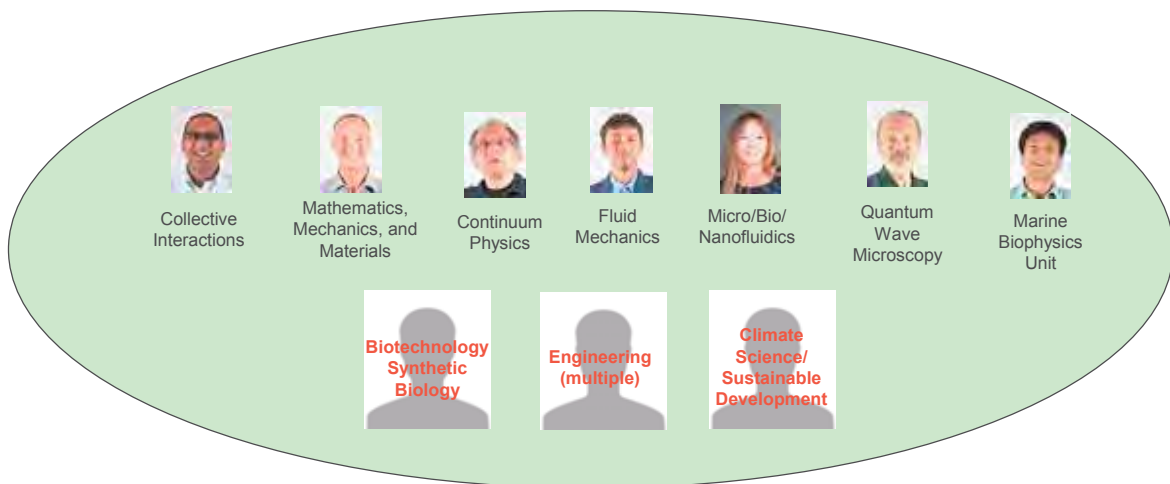
# Subject Area Recommendations: Materials and Chemistry



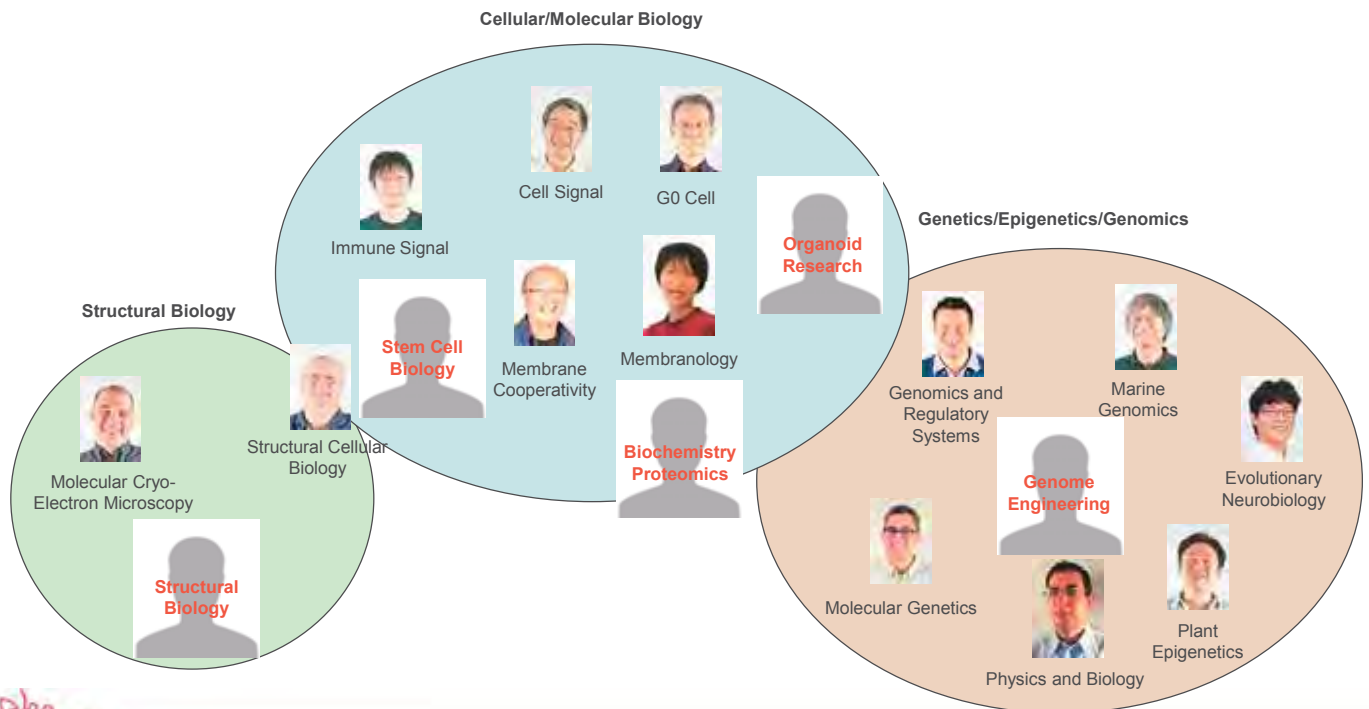
# Subject Area Recommendations: Mathematics and Computer Science



# Subject Area Recommendations: Applied Sciences/Engineering



# Subject Area Recommendations: Life Sciences



## Additional Recommendations: Recruiting and Hiring Strategy

- Hire renowned senior scientists and allow them to bring several junior faculty members
- OIST faculty members may also function as headhunters while attending conferences/workshops/meetings.
- Look at industry researchers for faculty positions as well
- The Council stressed the importance of quality of the individual over strategy.





# Roadmap towards 2021



## Strategy Roadmap 戦略ロードマップ

### Executive Retreat

President, Executive Vice President, Provost, Chief Operating Officer, Faculty Assembly Chair, Deans, Vice-Presidents, General Counsel

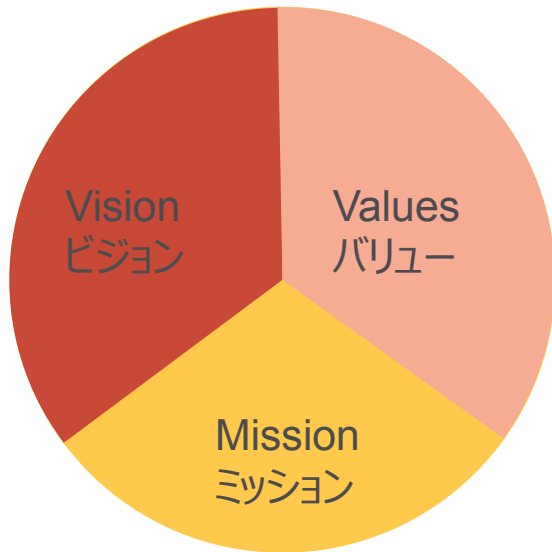
- Purpose of the Retreat  
Develop a Strategic Plan
  - Build on Framework documents
  - Planning for the Decennial Review
- Output
  - Vision, Values & Mission ideas
  - List of Challenges
    - Task Forces

### エグゼクティブ・リトリート

- 学長、首席副学長、プロボスト、チーフ・オペレーティング・オフィサー、教授会議長、研究科長、研究担当ディーン、副学長、統括弁護士
- レトリートの目的：戦略計画の展開
  - 枠組み文書の拡大
  - 10年レビューに向けた計画
- アウトプット
  - ビジョン、バリュー、ミッション
  - 課題リスト
    - タスクフォース



# Strategy Roadmap 戦略ロードマップ



- What we aim to achieve 目標
- What are our core principles コア原則
- How we will achieve our vision and thus fulfil the goal of conducting  
いかにビジョンに向かってゴール達成を実現するか

“Internationally outstanding education and research in science and technology, and thus contribute to the sustainable development of Okinawa, and promote and sustain the advancement of science and technology in Japan and throughout the world.”

「科学技術において、国際的に卓越した教育と研究を通じ、沖縄の持続可能な発展と、日本と世界における科学技術の振興に貢献し続けること」

Preliminary statements prepared  
準備声明も作成



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# Strategy Roadmap 戦略ロードマップ

## Task Forces

Academic Structure  
Administrative Structure  
Delivering the Benefits  
Professional Development  
Community Development  
Campus Development  
Communication and Branding

## タスクフォース

- アカデミック・ストラクチャー
- アドミニストレイティブ・ストラクチャー
- 利益や恩恵をもたらす
- プロフェッショナル・ディベロプメント
- コミュニティー・ディベロプメント
- キャンパス造成
- コミュニケーションとブランディング



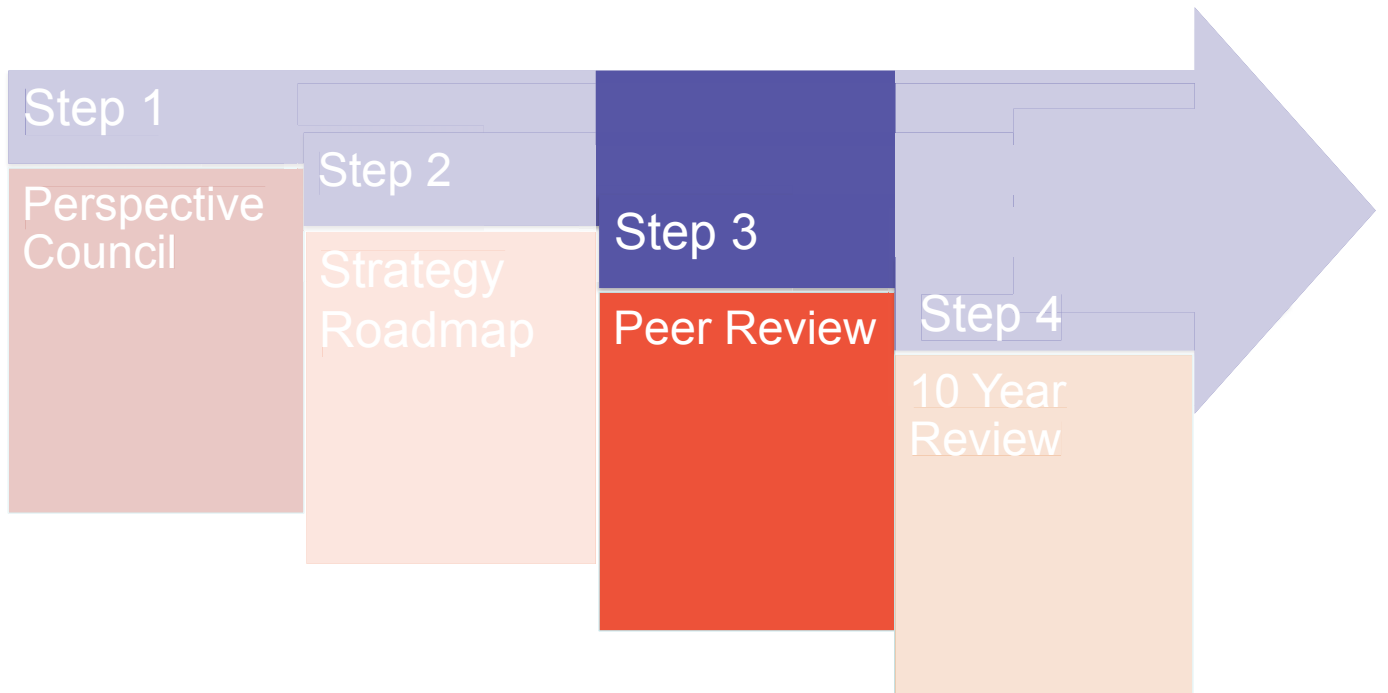
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# Strategic Plan

# 戦略プランのスケジュール



## Roadmap towards 2021



# 2019 External Peer Review

- In advance of the 10-year evaluation, OIST will host an External Peer Review in November 2019.
- Olaf Kubler and Maki Kawai, who were part of the 2015 External Peer Review, have agreed to serve on the 2019 Review panel.



Prof. Dr. Olaf Kubler  
Former President  
ETH Zurich

Confirmed panelists include: **Artur Ekert** (quantum physics and mathematics), **David Baltimore\*** (life sciences), **Shirley Tilghman** (biochemistry/molecular biology) and **Maki Kawai** (materials science), **Peter Chen** (chemistry), **Phil Sharp\*** (technology transfer), **Martin Grötschel** (mathematics)

We are awaiting confirmation from additional panelists including **Harold Varmus\*** (life sciences) and **Jennifer Chayes** (math/computer science)

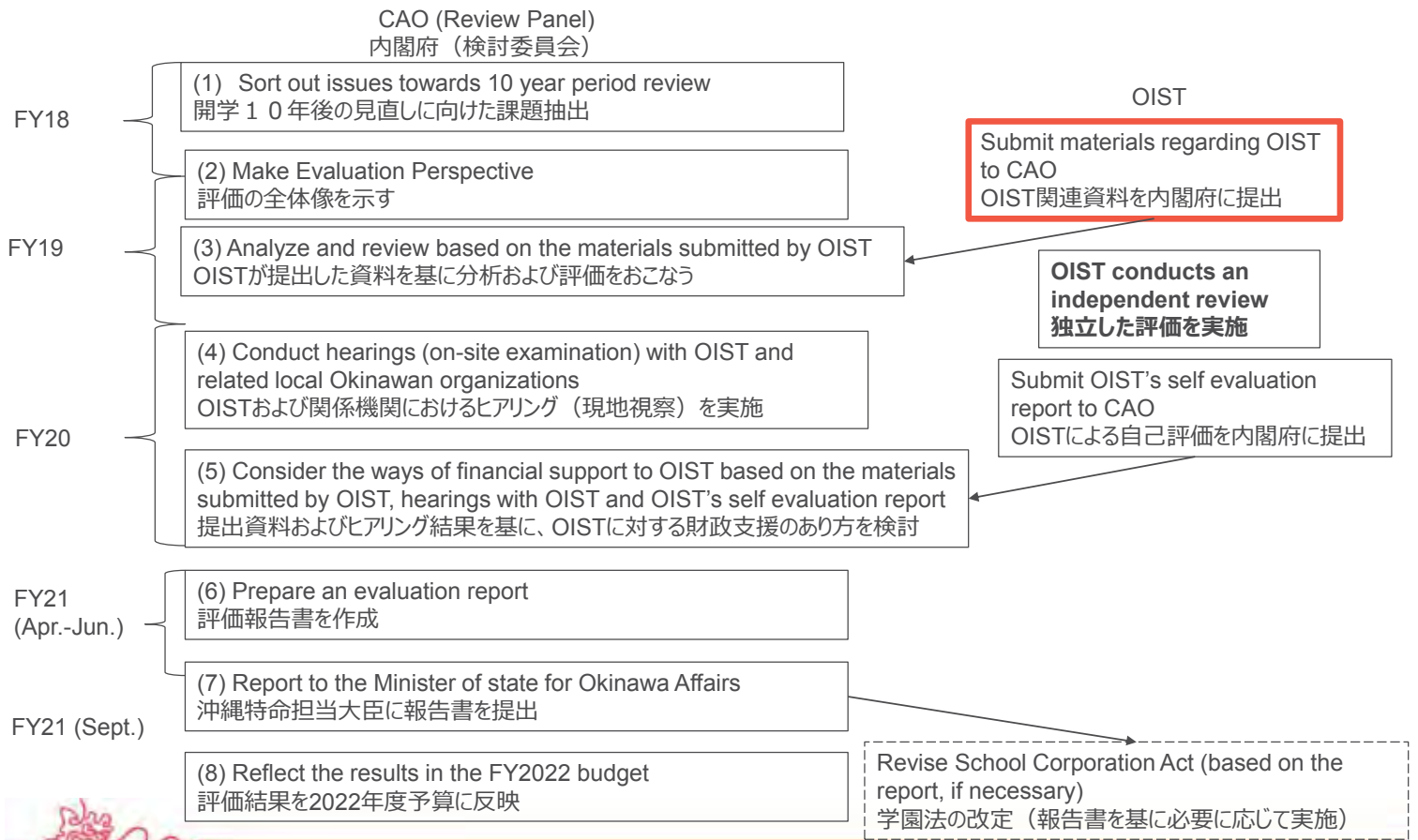


\* denotes Nobel Laureates

## Roadmap towards 2021



# 10 Year Evaluation Timeline 開学10年後の見直しタイムライン



## Vision for OIST 2030 OISTの2030年沖縄ビジョン



We are currently laying the groundwork to achieve the following goals by 2030:  
私たちは2030年に向けた以下の目標の実現を目指し、重要な取組を進めています。

- Secure the reputation of OIST as a premier institute for research and education, similar to MIT or CALTECH  
MITやカリフォルニア工科大学に匹敵する世界トップクラスの研究教育機関という定評を確立する
- Establish Okinawa as the epicenter of Japan's biomedical research through partnerships with the University of the Ryukyus in the creation of the Okinawa Health Medical Innovation Center  
沖縄における国際医療拠点形成に向けて琉球大学との連携を図り、沖縄を日本の生物医学研究の一大拠点へと発展させる
- Cultivate partnerships with other major Japanese universities, such as the University of Tokyo  
東京大学を含む国内の主要大学との連携を推進
- Strengthen the economy of Okinawa through the recruitment of investors, industry and entrepreneurs to the innovation incubator  
投資家や事業者、起業家をイノベーション・インキュベーターに誘致し、沖縄の経済成長を促進
- Engage with major Asian cities such as Tokyo, Singapore, Seoul, Taipei and Shanghai to form a research/economic cluster  
東京やシンガポール、ソウル、台北、上海といったアジア主要都市を巻き込み、知的産業クラスターの形成を図る

