

## 6 The Future of IREIIMS

IREIIMS was launched as a five-year project under the auspices of the Special Coordination Funds for Promoting Science and Technology provided by the Ministry of Education, Culture, Sports, Science and Technology as one of the so-called "Super COEs." Its mission is to engage in a wide range of activities in the fields of medical care, research and education as a center for international integrated medical sciences and to contribute to the widespread practice of integrated medical sciences. Its goals include:

- (1) Developing as a core research center for integrated medical sciences and for promotion of the field.
- (2) Development of a clinical enterprise which will make available the next generation of medical check-ups, comprehensive genetic medical care and thorough counseling.
- (3) Creation of tie-ups with universities, research facilities and corporations as a center for transmitting technology and information on integrated medical sciences, and serving as an adviser and forum for clinical trials in the areas of new technology and new product development related to integrated medical sciences.
- (4) Education of medical personnel and researchers who can work in the area of integrated medical sciences and then be sent to hospitals, medical care facilities, health insurance associations, pharmaceutical companies and medical equipment companies as integrated medical science coordinators.

Thus, the activities of IREIIMS over this five-year period will be to conduct research in the area of integrated medical sciences, educate and train personnel, and create a foundation for its continued existence as an independent research facility. Through the recruitment of researchers from Japan and around the world, we expect to reap the results of research which is being conducted from many different perspectives. Then, a foundation will be established in the clinic, making use of these results, for the next generation of medical check-ups, comprehensive genetic medical care and thorough counseling, particularly from the aspect of preventive medicine. Many integrated medical science coordinators shall be nurtured through the Team-training Course for Integrated Medical Sciences which is part of the Institute's personnel education and training activity. In addition, IREIIMS will be able to establish links with corporations using methods for improving an individual's overall physical constitution together with prevention and radical cures, based on the results of this research.

### Anticipated Effects and Results

- (1) Individuals who have been trained at IREIIMS will work as leaders for the Training Course for Team Integrated Medicine given at our Institute and as graduate school integrated medicine tutors and they will serve as core personnel in the area of integrated medical sciences at other universities and facilities.
- (2) IREIIMS will serve a role as a center for promoting an open system and integrated medical science research and providing personnel who can develop advanced products.
- (3) By working together with other hospitals, research facilities and corporations which are striving to implement integrated medical sciences to promote a broader-based integrated medical science system at the international level, the following results can be anticipated:
  - (a) Prevention of disease
  - (b) The integration of medical care technology and the development of new fields of technology (promotion of medical care industries)
  - (c) Establishment of the scientific value of traditional medicine and alternative treatments and promotion of health-related industries
  - (d) A large-scale reduction in the costs of medical care as a result of improvement in the rate of disease prevention based on a revolution of the medical research and education system and the incorporation of integrated medical sciences. This will lead to an improvement in social welfare and contribute to the national interest.

After the end of the five-year project, IREIIMS is expected to become an international integrated medical science research center, unique in Japan. As part of this project, IREIIMS will also promote the participation of non-Japanese and female researchers.

IREIIMS will strive to occupy an important position internationally as a center for integrated medical sciences. In the future, IREIIMS will be an institute which actively engages in research and medical care in order to create a society in which disease is prevented and people can live healthy and productive lives.

## 6 イレイムスの今後

IREIIMS は文部科学省科学技術振興調整費によって運営される、いわゆる「スーパー COE」の一つで、期間 5 年のプロジェクトとして設立されました。その使命は国際的な統合医科学の拠点として医療・研究・教育の各分野で様々な活動を行い、統合医科学の普及に貢献することです。IREIIMS は 5 年間に達成すべきこととして、以下の目標を掲げています。

- (1) 統合医科学の中核施設として発展し、広く統合医科学を普及させます。
- (2) 次世代の人間ドック、包括的遺伝子医療、包括的カウンセリングを実践するクリニック事業を展開させます。
- (3) 統合医科学の技術・情報の発信機関として、大学、研究機関や企業との連携を計り、統合医科学に関わる新技術や新商品開発のアドバイザーや治験研究の場として活躍します。
- (4) 統合医科学の教育機関として、統合医科学を実践する医療従事者、研究者を育成し、統合医科学コーディネータとして、病院、医療機関、健康保険組合、製薬会社、医療機器関係会社などに人材を供給します。

即ち、IREIIMS の 5 年間の活動は、統合医科学の研究を実践し、人材を育成し、将来自立した研究機関として存続できる基盤を整えることにあります。広く国内外から研究者を公募して研究体制を整えたことで、さまざまな角度からの研究とその成果が期待されます。その成果を利用して、クリニックにおいては特に予防医学の観点から次世代人間ドック、包括的遺伝子医療・カウンセリング等の基盤が確立されます。人材育成面では、チーム制統合医科学育成コースにより多くの統合医科学コーディネータが誕生します。又研究の成果である体質改善法や予防・根治に関する医療情報を利用して、企業と連携することが可能になります。

IREIIMS のこうした活動によって、期待される波及効果は次のようなものです。

- (1) 育成された人材は、本研究所内でのチーム制統合医科学育成リーダー、大学院統合医科学チュータとして活動するほか、他大学・他機関で統合医科学を実践する中心となります。
- (2) オープンな体制とともに統合医科学研究を推進し、統合医科学を利用し、高度な商品開発を行う人材の供給拠点としての役割を担います。
- (3) 統合医科学の実践を目指す他の病院組織・研究機関・企業と連携し、より広域的な統合医科学体制を国レベルで推進することにより、以下の効果が期待できます。
  - (a) 疾患の発症予防・根治
  - (b) 医療技術の統合化と新技術分野の開発(医療産業の振興)
  - (c) 伝統医療、代替医療などの科学的評価の確立と健康関連産業の振興
  - (d) 医学研究教育体制の改革と統合医科学による疾患予防率の向上による医療費の大幅な削減(福祉の向上、国益へ貢献)

5 年のプロジェクト期間終了後、IREIIMS は、外国人や女性研究者が広く参加する、今までの日本にはきわめて少なく、かつ新しい感覚に満ちた国際的な統合医科学研究機関となっているはずです。

IREIIMS は統合医科学の拠点として、国際的にも重要な位置を占めることになるでしょう。人々の病気を予防し、健康に生活できる社会を作るために、活発な研究・医療活動を行っている姿が、IREIIMS の将来像です。