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| **Dissertation research plan** |

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| Submitter | department(□Master’s □Doctor’s □Master’s and doctor’s) | schoolregistration number  |  | Name |  |
| Title | Korean |  |
| English |  |
| Research design※ correspond ☑ | classification 1 | □Human research □Human-derived product(specimen) research□Embryo, somatic cell, stem cell line research □Genetic research □Animal experimental research □Other:  |
| classification 2 | □Cross sectional survey study □Case-control study □Cohort study□Patient group study □Registration study □Medical record research□Clinical trial □Other:  |
| Data collection method※ correspond ☑ | A. primary(direct)data production:□Survey □Experiment, Measurement □Survey & MeasurementB. secondary data(existing data) analysis:□(data source: DB year: )  |
| Status of IRB Deliberations※ Be sure to fill it out | □Approval (Confirmation) □Application in progress (acceptance confirmation)□Planning (Until when?: )□Not Applicable (cf. Exemption from deliberation: In the case of exemption, an application for deliberation must be submitted and confirmed by the IRB)※ The IRB deliberation process should be completed by three months before the submission of the examination book for requesting degree |
| Research period |  년 월 일부터 년 월 일까지(※ It will be from the IRB approval date to ~.) |
| supervising professor | Major |  | Position |  | Name | (인) |
| 위와 같이 학년도 학위논문 계획서를 제출합니다.년 월 일연구자 (인)**인제대학교 대학원장 귀하** |

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| Research content |

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| ※ This is to facilitate the IRB application process, a framework that brings graduate school submission forms and IRB forms close to each other, through the proposed efficiency of the IRB deliberation mandatory (Amended Bioethics Act and revised Graduate School Regulations) starting in March 2015.  |

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| ※ Can it detail its research plan and proceed without errors? And is there any scientific and ethical 'wrong' that we haven't considered? This is a procedure for obtaining review and supplementation from experts (reviewers).※ It must be prepared according to the guidelines below. If it is not satisfactory, it may not be subject to examination.1. The principle of preparing a research plan follows the procedure for preparing a dissertation.2. Must be created with a word processor.3. Brief and clear on core content. Avoid unnecessary and redundant descriptions. **recommend revision type(Individual type) descriptions.**4. Description forms shall be futuristic.5. **Research methods** are the most important part of the plan. Therefore, the following content should be written in **as specific as** possible.: **Recruitment process and size (number), performance strategy and method, important observation items, and data analysis method.**6. Key references must be provided. |

**I. 연구 목적 (Concrete Objective of Study)**

※ Briefly and clearly describe the ultimate goals and content of the research.

**II. 연구 배경·현황, 이론적 근거 (Background of Study)**

※ Briefly provide the theoretical evidence of the subject, current knowledge and status

(Key references), and the researcher's "intention".

**III. 연구 방법 (Methods)**

**※ Create a "categorized" subhead.**

1) 연구 설계, 개요 (study design)

※ A flow chart is recommended if necessary.

2) 연구대상 (subjects)

※ Present the size (number) of the subjects to be studied according to the prior study and statistical evaluation method.

※ In case of direct recruitment, the selection criteria and exclusion criteria should be specified.

3) 수행 방법(protocol)

3-1) 자료수집 방법(Data collection method)

※ The methods and procedures for data collection should be specified

3-2) 연구도구(Research tools)

※ The composition and content of the research tool should be clearly stated.

4) 중요 관찰 항목(Outcome variables)

※ Specifically listing and describing of important (core) information or data to be obtained from research.

5) 효과 평가 기준 및 방법(Effect evaluation standard and method)

※ Description of criteria and methods for evaluating research effectiveness.

6) 자료분석 방법(Data analysis)

※ Describe how to use collected data or information (statistical methods).

※ Specifically describe what data will be analyzed in what ways and how the results will be presented.
※ Specify the name and version of the statistics program to use.

7) COI 명시

※ state that there is no conflict of interest(COI).

8) 추가 (해당되는 경우) Add (if applicable)

**※** personal information collection, specimen collection, Genetic research

**※** Description of collection and inspection items, methods and storage, management, disposal methods.

**IV. 연구 추진 일정 (Promotion Schedule of Study)**

※ Description of the process of research by item over time.

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| **month****Research** **contents** |  |  |  |  |  |  |  |  |  |  |  |  |
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**V. 참고문헌 (References)**

※ Only key Refs (domestic and international) corresponding to the research topic. Too much literature, simple listing are prohibited.

※ Compliance with reference method (in Vancouver, Harvard).

**《 Self Check List 》**

**Name :**

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| **※ How to write (Write this part carefully.) ※****1.** The plan is expressed in sentences using **futuristic tense.****A correct example)** Research will be done with method A OR I do research by A method.**A false example)** This was studied by method A.**2.** If possible, use **Mesh** for key terms. |
| **Item** | **Recommendation** | **Mark** | **Corresponding****page** |
| Title | Using the correct term to select a subject for study, and the title is well represented on the entire study? | □ |  |
| I. Concrete Objective of Study | Is the purpose of the study detailed, briefly and clearly presented, so that non-experts can understand it | □ |  |
| Hypothesis and the researcher's intentions have been presented? | □ |  |
| II. Background of Study | Does it include the theoretical basis of the subject and recent knowledge, status and trends? | □ |  |
| Have you outlined the results of key latest statistics and key references? | □ |  |
| **Ⅲ. Methods** | **According to this method of study, is it presented in detail enough for anyone to reach the same result?** |
| **1) Outline of study** | Does it provide type of **research design** and research flow charts? | □ |  |
| **2) Subjects** | Does it specify the size of the study subjects in specific numbers for each group? | □ |  |
| Does it provide statistical methods and procedures for determining the study sample size ? | □ |  |
| Did the criteria for selection, exclusion, and termination clearly presented? | □ |  |
| Does it provide a flow chart that shows **the detail procedures for collecting the eligible subjects**? | □ |  |
| **(Answer only those involved. - Animal experiment)**What kind, and how many are specifically targeted? | □ |  |
| **(Answer only those involved. - Cell line experiment)**Did you specify the type and amount of the Cell line? | □ |  |

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| **3) Protocol** | Did you specify the procedures and contents of the research that you will actually conduct (perform) ? | □ |  |
| Did the investigation and measurement for the study specifically suggest who and what procedures to perform? | □ |  |
| **(Answer only those involved.)**Is the questionnaire and coding instruction (even using the secondary data source) attached? | □ |  |
| **(Answer only those involved.)**Did you specify the specifications of the measuring instruments to be used in the study? | □ |  |
| **4) Outcome variables** | What specific information did you provide to assess the results of the study? | □ |  |
| Have the operational definition of the information been presented? | □ |  |
| Did you provide specific criteria and methods for evaluating the results? | □ |  |
| Did you consider the expected bias, confounders, and effect modifiers? | □ |  |
| **5) Statistical****analysis** | Did you specify the statistical program you used?(The version of the program and the manufacturer must be specified.) | □ |  |
| In the study, did you specify what statistical methods would be used to analyze possible variables? | □ |  |
| Have you presented the criteria for variation of variables or new grouping? | □ |  |
| In the case of multivariate analysis, does it specify the name of the analysis, dependent variables, and independent variables? | □ |  |
| **IV. Timeline** | Does the schedule for each category proceed reasonably according to the time flow? | □ |  |
| **Ⅴ. References** | Did you just present it as a key reference to the subject of the study? | □ |  |
| Does the latest study or SCI-level thesis include at least one to two? | □ |  |
| Did you choose to comply with **the standard,** Vancouver or Harvard **style**? | □ |  |

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| **Research Ethics****(Write only if applicable.)** | Is the protection of personal (identification) information appropriate? | □ |  |
| Have you presented any plans for storage, management and disposal of personal (identification) information? | □ |  |
| Did you accurately present the collection method, characteristics, and quantity of Human Bioresources? | □ |  |
| Did you provide specific plans for the storage, management, and disposal of Human Bioresources? | □ |  |