<table>
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<tr>
<th><strong>NAME OF DIVISION</strong></th>
<th>Medical Microbiology</th>
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<tr>
<td><strong>HEAD OF DIVISION</strong></td>
<td>Prof Elizabeth Wasserman</td>
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<tr>
<td><strong>DIAGNOSTIC SERVICES</strong></td>
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Concentrate on new developments and improvements, such as the introduction of new tests, expansion of services, changes in emergency services and establishment of new laboratories. Anything unusual, such as an outbreak of a particular disease or unusual cases of disease trends should be noted. **Please ensure that the report is informative and concise**

During August we moved into newly refurbished premises on the 9th floor of Tygerberg hospital. This new laboratory occupies less floor space than the previous one and constitutes a significant saving to the business unit.

In September 2005 we acquired a VITEK 2 machine. This constitutes a major technological improvement with a positive impact on the workflow in the laboratory and the turnaround time of our specimens.

New tests offered 2005: ultrasensitive CRP, Leucocyte Adhesion determination, Coeliac disease antibody detection, ALK microsomes antibody detection, Anti GAD/FA2 antibody detection, Pertussis culture

New tests offered 2006: Pertussis antisera for confirmation of cultures, Antifungal susceptibility testing for candida/Cryptococcus from blood/CSF

Oxidative burst test

Interaction with our clients consists of documentation of all feedback, a schedule of regular and formalized ward rounds and patient consultations, formulation and provision of antimicrobial guidelines (in booklet form), frequent presentation of relevant talks to clinicians (including weekly journal clubs and ‘plate rounds’ for our clinical colleagues), a concise specimen sample manual provided in hard copy, on the intranet and on our website and strategic marketing of our tests.
### RESEARCH:

**Research projects**
Supply information of projects completed during the period under review or ongoing at the time of writing. Research planned for the future should not be included unless of direct relevance to an ongoing project. Do not repeat reports published in last year’s annual report.

Each departmental research report should be written specially for the Annual Report:

a. Each project should be provided with a suitable heading
b. The title, initial and surname of each researcher involved in the project, including collaborators and their affiliations, should be listed
c. Reports should be a concise description of the aim of the project, methods used and results obtained, particularly in regard to therapy or disease control and monitoring. If relevant, the development of new techniques and evaluation of old ones should be included. Each project report should not exceed 120 words
d. Sources of research funding must be acknowledged where applicable

<table>
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<th>Doctorals completed:</th>
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| Mrs FH le Roux.  
Promotor: Bouic PJD |
| Mr Robberts FJL.  
Promotor Liebowitz LD.  MRC Funding |

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<th>Masters completed:</th>
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| Mr WJ Kriek  
An *in vitro* investigation of the anti-inflammatory and immune-suppressive effect of the synthetic contraceptives Medroxyprogesterone acetate (MPA) and Norethisterone enanthate (NET-En).  MSc, 2005.  Study leader: Bouic PJD  
MRC Funding |
| Dr Smit J.  

### TEACHING AND TRAINING:

Write a concise report (not exceeding 120 words) of the teaching activities within the academic departments at:

a) undergraduate and
b) postgraduate level

| Undergraduate:  
The Department maintained its extended involvement in the MBChB curriculum and also presented modules in the BSc Dietetics programme, and lectures in the BSc biotechnology programme and BChD programme of the UWC. |
|------------------|
| Postgraduate:  
6 BSc honours students, 2 MSc and 2 MMed students as well as 3 PhD students was enrolled during 2005 for postgraduate studies at this department. The following numbers graduated at the end of 2005: 2 PhD, 1 MMed and 5 BSc honours |
| During 2005 all postgraduate programmes was modularized. |
| Rostock Summer School for Infectious & Tropical Diseases, Germany, June 2005 – attended by 2 registrars |
| Postgraduate students registered in this discipline for 2006: 2 PhD’s, 3 MMed’s, 8 MSc’s, 4 BSc honours students. Total number postgraduate students: 19 |
**HONOURS:**
List significant honours bestowed on staff members during the period under period

**PUBLICATIONS:**
List the papers published by staff in your department during the reporting period alphabetically.
**UNDERLINE** the names of those author(s) in your department. Use the following style:

*Journal articles:*
Author(s) surname and initial(s). title of paper, publication name abbreviated (please use correct abbreviation), year, volume number and page number(s), eg

*Complete books:*
Author(s) surname and initial(s), title of book, place, publisher, year, eg
Schlesselman JJ. *Case-control studies: design, conduct, analysis.* New York, Oxford University Press, 1997

*Articles in books:*
Author(s) surname and initial(s), title of article, title of book, editor(s) of book (surname(s) and initial(s)), place, publisher, year, page(s), eg:


*Books:*
Western Cape Academic Hospitals Antibiotic Recommendations and Wound Care Management 2005 (Combined effort of UCT and US Medical Microbiology Departments)

**CONFERENCE PRESENTATIONS:**
Only include presentation by members of your department. List these under:
a. International conferences
b. National conferences as follows:
- Name of conference, city and country where held, date when held
- Names of all author/s/researchers/s, **UNDERLINE** the name of the presenter in your department
- Title of presentation

- **19th Biennial Congress of the S A Rheumatism and Arthritis Association & S A Professionals in Rheumatology, Durban, 20 - 23 May 2005**
  Esser M
  *Juvenile idiopathic arthritis and infliximab therapy - follow up of response in two patients with psoriatic arthritis and uveitis.*