



**McGill**

Faculty of  
**Medicine**

## Annual Reporting for Faculty Supported Research Centres and Networks

All Centres (provisional Centres; McGill Centres), Research groups and Networks that receive funding from the Faculty of Medicine are required to provide two components of reporting:

- Annual Report of Activities, Outcomes
- End-of-Year Financial Report/Proposed Budget

The Annual and End of Year Reports covering the period from the 1st May until the 30th April are due by 4pm on May 26th 2017. Future funding will be dependent on the prompt receipt of all documents as well as the evaluations made by the committee *and* the Faculty funds available.

The completed Annual Report and the Financial Statement should be forwarded by email to:

**Jennifer Clarke (riac.med@mcgill.ca)**  
**Faculty of Medicine Research Office**  
**Phone: 514-398-5815**

## Annual Report for Faculty of Medicine Funded Centres and Networks

The Annual Report should be set in the context of the Centre's, Core facility's and Network's overall goals and objectives, programs and research priorities, performance indicators outlined in the application (or subsequently developed), activities and strategies.

### **Please provide the following:**

1. Name of Centre, Unit or Institute:

Réseau de recherche en santé buccodentaire et osseuse (RSBO)  
*Network for Oral and Bone Health Research*

2. Name and contact information of the Director and/or Administrative Assistant:

**Arlette Kolta**, Director  
Faculté de Médecine dentaire  
Université de Montréal  
Pavillon Paul G. Desmarais  
Tel 514-343-7112  
Arlette.kolta@umontreal.ca

Richard Brière, Assistant to the Director  
Tel 514-343-6008  
Richard.briere@rsbo.ca

3. Is the centre recognized as an official Senate approved McGill Research Centre?

Yes      No X

4. The date the centre received Senate approval as an official McGill Research Centre

5. Please provide the **URL of the Research Centre's or Network's web site.**

*Note: The Research Centre's or Network's website should contain the following information:*

- all sources of funding support,
- the List of Members and their institutional affiliation,
- the activities supported by the Research Centre, Core Facility or Network, and
- Annual Reports.

**URL:** [www.rsbo.ca](http://www.rsbo.ca)

6. A summary of the past year's goals and objectives, programs and research priorities and any changes to these that may have occurred during the past year. Please indicate the extent to which the objectives have been met. **(limit 200 words)**

The past year was marked by the renewal application of the RSBO to the FRQS. During that period no new priorities or programs were implemented. The network focuses on the current programs: salary support to graduate students and postdocs; major structuring projects; support to common infrastructures. A lot of energy was put on the application process. Consultations with the members were held during the spring of 2016 with RSBO members at the McGill downtown campus, the Glen site of the MUHC, Université Laval and Université de Montréal. The requirements of the FRQS Governance Guidelines and the results of the consultation formed the core of the changes proposed in the application: creation of a scientific committee along the executive committee, reorganization of research axis based more on research methodology than research topics.

In December 2016, the RSBO submitted the renewal application for its funding to the FRQS. The results of the Network competitions were announced on May 12 2017 and the funding of RSBO has been renewed for the next four years and increased by 16% passing from \$405,000 to \$470,000. The financial support of partners such the Faculty of Medicine was certainly an asset in the renewal application.

7. Please document **the major achievements** resulting from the use of the Funds from the Faculty, including any advances in knowledge, relevant publications, or international collaboration. You may select from the menu of reporting items/performance indicators in Appendix 1 that may be relevant, but must include, at minimum, information on publications/presentations, outreach activities, quality of the training environment. (Please limit your text response to a maximum of **1 page of prose. Please include lists of publications, grants, activities as appendices.**)

The Faculty of Medicine's annual contribution has always been an important asset for the Network as it demonstrates concretely institutional support for the RSBO members from McGill. This is one of the evaluation criteria in the renewal application to be submitted to the FRQS at the end of 2016.

Indeed, for its \$10,000 contribution, the Faculty of Medicine has obtained more than **17 time return** on its investment **in 2016-2017: \$175,844** have been awarded to Faculty members and their graduate students and post-docs through the various programs of the Network, including a contribution of **\$20,000** to the «C10 Surgical Research Infrastructure at the MGH», and **\$25,000** for the «Centre for Bone Phenotyping», two a common infrastructures used by RSBO and Faculty members. Graduates students and postdocs working with members of the Faculty of Medicine received **\$94,000** in salary support provided by RSBO programs. Through RSBO Major Structuring Projects, Faculty of Medicine members received in 2016-2017, **\$56, 844** in research grants.

- **Publications:** 282 peer reviewed publications by Network members from May 1<sup>st</sup>, 2015 to April 30, 2016 (list in appendix 2)
- **Number of graduate and post-graduate students funded:** We received:
  - 21 applications to the RSBO scholarships, and allocated 8 scholarships (4 of \$12,000 to M.Sc. students two of them from McGill Medicine: Joan Currie Brooke from Dr Haglund's lab; Muthu Lakshmi Muthu from Dr. Dieter Reinhardt's lab) and 4 of \$15,000 to Ph.D. students; 2 of them to McGill Medicine (; Garthiga Manickam from Dr. Monzur's lab and Jose Ramirez Garcia Luna from Dr Henderson's lab) for a total of **\$54,000**.
  - in the Postdoctoral salary program, two fellowships of \$20,000 were allocated to postdoc working with Faculty members (Polly Lama in the Dr Lisbet Haglund's lab and Louis Doré-Savard in Dr Richard Kremer's lab) for a total of **\$40,000**.
  - All of these applications were peer-reviewed.
- **Governance:** The Scientific committee, composed of the Director, 4 axis coordinators, and one representative of the Deans, met 3 times last year. Other important issues were discussed by e-

mail. A new advisory committee composed of 4 members, all outsiders to the Network, met in May 2015 and made recommendations to improve the visibility of the Network. Finally, the annual General Assembly opened to all members was held during our Scientific Research Day.

- **Number of visits, both by members to National or International destinations, events, and short and long term visits by visiting scientists to McGill:** Last year we provided support for 4 graduate students from McGill for a total of \$2,400 through RSBO Conference supports for students.
- **What/how much additional funding was generated that was directly attributable to activities of the Network:** Last year, the RSBO had \$122,049 in partnership funds on top of the FRQS grant. This sum represented 30 % of the annual operating budget received from the FRQS last year (\$405,000), and made a significant difference in our ability to maintain our programs. These programs of the Network play a significant role as leverage factor to obtain grants for CIHR, NSERC, charities, etc.
- **What workshops and similar meetings the Network provided financial support to – number, the level of engagement, the purpose and the outcomes (including the number of opportunities for inter-disciplinary research):**  
 In the last year, RSBO provided \$3,000 to the 3<sup>rd</sup> Canadian Connective Tissue Conference held at McMaster University in organized jointly by Dr Anie Philip and Dr Dieter Reinhardt of McGill Medicine and Stéphane Roy of U de Montréal. Furthermore, the RSBO sponsored two Café scientifiques at the McCord Museum. The first one held in June 2016 focuses on osteomalacia (rickets) diseases – where the skeleton and teeth are soft instead of being appropriately hard to support weight bearing and chewing. It was organized by Dr Marc McKee and Dr Frank Rauch. The speakers presented the discovery of the enzyme replacement therapy for hypophosphatasia – developed largely in Montreal – and now on the market in Canada and many countries worldwide. This Café scientifique was recorded and broadcast by Canal Savoir during the fall of 2016.
- **Collaborations between other Centre, Core Facility or Networks at McGill:** The RSBO financially supported the “C10 Surgical Research Infrastructure at the MGH” and the newly opened “Centre for Bone Phenotyping” at the Shriners Hospital, two common infrastructures required for the laboratories of several members of the Network, for a total amount of **\$45,000**.

8. Please provide a **List of New Members** who joined in the past year (Full, Associate, Trainee noting whether graduate student or post-doctoral fellow) and **institutional affiliations**. Please also indicate any members who have left the Centre or Network. Add rows as necessary.

Please indicate total number of members:

Please indicate total number of McGill Faculty of Medicine members:

<b>Last, First Name</b>	<b>Member Type</b>	<b>Institutional Affiliation(s)</b>
Veilleux, Louis-Nicolas	Regular	Université de Montréal
Ferland, Guylaine	Regular	Université de Montréal
Soleimani, Vahad	Regular	McGill University

9. Please describe how your activities align with the Academic or Research mission (Strategic Research Plan) of the Faculty of Medicine and/or other Faculties at McGill focusing on the activities for the current year and strategic plans for the subsequent year (**limit 200 words**)

RSBO shares with the Faculty of Medicine and of Dentistry many of the implementation strategies stated in the Strategic Plan they published together.

With its Competition on Major Structuring Projects, RSBO aims to encourage interdisciplinary research by supporting new interinstitutional groups in strategic research areas defined in consultations with members and partners.

Through its Aid to Recruitment Program, RSBO supports newly established young researchers selected by their institution.

RSBO cares for the training of the next generation of researchers in oral and bone health by offering salary support to MSc and PhD students as well as postdoctoral fellows. RSBO also support the opportunity for students and post-docs to present their research results to national and international meetings with its Support to Conference Program.

One of the core missions of RSBO is the support of technology platforms. Three of these platforms supported by the RSBO are closely related to the Faculty of Medicine: the Centre for Bone and Periodontal Research led by Dr David Goltzman and the Surgical Research Infrastructure led by Dr Janet Henderson and the newly established

10. Other information:

Please indicate how the Research Centre, Core Facility or Network has:

- Tackled or plans to tackle issues in a manner that may not otherwise have been achievable without the financial support of the Faculty of Medicine
- Increased or is planning to increase the scale and focus of research activities
- Facilitated multidisciplinary, multi-institutional or international collaborations  
(Please limit response to **200 words**)

Two years ago the RSBO launched a Major Structuring Projects programs aimed at facilitating multidisciplinary, multi-institutional research tackled by new teams working on research priorities defined in collaboration with our partners. Currently, the RSBO supports five teams. McGill Medicine researchers are leads on two of these teams: Dr Janet Henderson and Dr Monzur Murshed are lead investigators in two of the five teams. Together, McGill Medicine members were awarded a total of \$56,844 or 31% of the total amount invested by the RSBO in this program this year.

**The Year End Financial Report** reports on:

- Expenditure of funding provided by the Faculty of Medicine and other sources, towards meeting the objectives of the Research Centre or Network; and
- Details of any in-kind contributions provided to the Centre or Network.
- Please include a projected budget (including request from Faculty of Medicine) for the coming year
- See **Appendix 2** for the “Year End Financial Report” form to complete

## Appendix 1

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### Menu of Performance Indicators

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The following (non-exclusive) list contains possible activities on which Research Centres, Core Facilities or Networks might report.

#### Quantitative: Include, as appropriate

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- Number of graduate and post-graduate students funded to do various activities;
- Number of proposals from participants to the Centre, Core Facility or Network and the number of activities funded;
- Governance: provide details of management meetings. For example, membership, frequency, attendance, the nature of the meetings and the outcomes.
- Number of workshops, conferences or seminars conducted and the number of attendees (include the number of early career researchers, graduate and/or post-graduate students attending);
- Number of visits, both by members to National or International destinations, events, and short and long term visits by visiting scientists to McGill;
- Number of outreach activities including public lectures (or other forms of engagement with people outside the research community including schools, industry and government agencies);
- Number of publications produced, and their impact factors (only identify those publications that are directly related to the research centre, core facility or network activity);
- Number of targeted activities:
  - involving research interaction for graduate and postgraduate students
  - Industry stakeholder interactions.
- Number of web hits and articles downloaded;
- Survey of Centre, Core Facility or Network participants to ascertain usefulness and user-friendliness of web site;
- Number of Federal and Provincial grant proposals and number of successful proposals as a result of membership in the Centre, Core Facility or Network;
- What/how much additional funding was generated that was directly attributable to activities of the Centre, Core Facility or Network;
- Prizes, special awards to member(s) as a result of Centre, Core Facility or Network activities.

#### Qualitative: Describe, as appropriate, aspects of:

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- Identify those activities/outcomes which may not have occurred without the formation of the Centre, Core Facility or Network.
- What sort of different sharing /collaboration (research ideas, facilities, etc) arose because of the Centre, Core Facility or Network;
- Effectiveness of governance processes in place;
- Different kinds of research generated – research building capacity, or removing impediments to research;
- Breadth of Centre, Core Facility or Network - qualitative aspects;
- Multi-disciplinary collaboration
- Increased or new collaboration and partnerships as a result of Centre, Core Facility or Network activities, and with different types of end users (e.g. industry, government and community groups);
- What workshops and similar meetings the Centre, Core Facility or Network provided financial support to – number, the level of engagement, the purpose and the outcomes (including the number of opportunities for inter-disciplinary research);

- What mechanisms are in place for communication within the Centre, Core Facility or Network membership (e.g. email, newsletters, website, etc);
- National, International activities and/or visitor programs - information about the level of engagement at seminars and workshops (e.g. number of participants) and how these events have contributed or are likely to contribute to the strategic goals of the Centre, Core Facility or Network;
- What exceptional successes, if any, have occurred during the reporting period;
- What disappointments, if any, occurred during the reporting period;
- How new skills have been acquired as a result of research technology;
- Any surveys carried out of members to ascertain any benefits gained from membership of the Centre, Core Facility or Network;
- Outreach activities and how these may have been reported by the media;
- Collaborations between other Centre, Core Facility or Networks at McGill;
- Linkages with international Research Networks;
- Development of tools, software, databases; and
- How the networks between researchers are being strengthened as a result of using web-based and other technologies.

## Appendix 2

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Appendix 1. List of RSBO member publications between May 1, 2016 and April 30, 2017.

1. Biomaterial surface proteomic signature determines interaction with epithelial cells.  
Abdallah MN, Tran SD, Abughanam G, Laurenti M, Zuanazzi D, Mezour MA, Xiao Y, Cerruti M, Siqueira WL, Tamimi F.  
Acta Biomater. 2017 May;54:150-163. doi: 10.1016/j.actbio.2017.02.044. Epub 2017 Mar 1.  
PMID: 28259836 [PubMed - in process]
2. Scaffolds for epithelial tissue engineering customized in elastomeric molds.  
Abdallah MN, Abdollahi S, Laurenti M, Fang D, Tran SD, Cerruti M, Tamimi F.  
J Biomed Mater Res B Appl Biomater. 2017 Apr 18. doi: 10.1002/jbm.b.33897. [Epub ahead of print]  
PMID: 28419685 [PubMed - as supplied by publisher]
3. Diagenesis-inspired reaction of magnesium ions with surface enamel mineral modifies properties of human teeth.  
Abdallah MN, Eimar H, Bassett DC, Schnabel M, Ciobanu O, Nelea V, McKee MD, Cerruti M, Tamimi F.  
Acta Biomater. 2016 Jun;37:174-83. doi: 10.1016/j.actbio.2016.04.005. Epub 2016 Apr 7.  
PMID: 27060619 [PubMed - indexed for MEDLINE]
4. Failure rate of single-unit restorations on posterior vital teeth: A systematic review.  
Afrashtehfar KI, Emami E, Ahmadi M, Eilayyan O, Abi-Nader S, Tamimi F.  
J Prosthet Dent. 2017 Mar;117(3):345-353.e8. doi: 10.1016/j.prosdent.2016.08.003. Epub 2016 Oct 17. Review.  
PMID: 27765400 [PubMed - in process]
5. An online tool that provides access to evidence-based literature on dental restorations: [www.crownorfill.com](http://www.crownorfill.com).  
Afrashtehfar KI, Tamimi F.  
J Prosthet Dent. 2017 Apr 28. pii: S0022-3913(17)30132-4. doi: 10.1016/j.prosdent.2017.02.001. [Epub ahead of print] No abstract available.  
PMID: 28461049 [PubMed - as supplied by publisher]
6. Decontamination of titanium implants using physical methods.  
Al-Hashedi AA, Laurenti M, Benhamou V, Tamimi F.  
Clin Oral Implants Res. 2016 Jul 8. doi: 10.1111/clr.12914. [Epub ahead of print]  
PMID: 27392811 [PubMed - as supplied by publisher]
7. FHF1 (FGF12) epileptic encephalopathy.  
Al-Mehmadi S, Splitt M; For DDD Study group\*, Ramesh V, DeBrosse S, Dessoffy K, Xia F, Yang Y, Rosenfeld JA, Cossette P, Michaud JL, Hamdan FF, Campeau PM, Minassian BA; For CENet Study group‡.  
Neurol Genet. 2016 Oct 28;2(6):e115. eCollection 2016 Dec.  
PMID: 27830185 [PubMed - in process] Free PMC Article
8. Propranolol enhances bone healing and implant osseointegration in rats tibiae.  
Al-Subaie AE, Laurenti M, Abdallah MN, Tamimi I, Yaghoubi F, Eimar H, Makhoul N, Tamimi F.  
J Clin Periodontol. 2016 Dec;43(12):1160-1170. doi: 10.1111/jcpe.12632. Epub 2016 Oct 27.  
PMID: 27706837 [PubMed - in process]



9. Hypoalbuminaemia-a marker of malnutrition and predictor of postoperative complications and mortality after hip fractures.  
Aldebeyan S, Nooh A, Aoude A, Weber MH, Harvey EJ.  
Injury. 2017 Feb;48(2):436-440. doi: 10.1016/j.injury.2016.12.016. Epub 2016 Dec 23.  
PMID: 28040258 [PubMed - in process]
10. Predictors of Discharge Destination After Lumbar Spine Fusion Surgery.  
Aldebeyan S, Aoude A, Fortin M, Nooh A, Jarzem P, Ouellet J, Weber MH.  
Spine (Phila Pa 1976). 2016 Oct 1;41(19):1535-41. doi: 10.1097/BRS.0000000000001575.  
PMID: 27010996 [PubMed - in process]
11. Evidence-Based Review and Survey of Expert Opinion of Reconstruction of Metastatic Spine Tumors.  
Altaf F, Weber M, Dea N, Boriani S, Ames C, Williams R, Verlaan JJ, Laufer I, Fisher CG.  
Spine (Phila Pa 1976). 2016 Oct 15;41 Suppl 20:S254-S261.  
PMID: 27488293 [PubMed - in process]
12. Strategies of enhancing bone regenerate formation in distraction osteogenesis.  
Alzahrani MM, Anam E, AlQahtani SM, Makhdom AM, Hamdy RC.  
Connect Tissue Res. 2017 Feb 6:1-11. doi: 10.1080/03008207.2017.1288725. [Epub ahead of print]  
PMID: 28165797 [PubMed - as supplied by publisher]
13. Musculoskeletal disorders among orthopedic pediatric surgeons: an overlooked entity.  
Alzahrani MM, Alqahtani SM, Tanzer M, Hamdy RC.  
J Child Orthop. 2016 Oct;10(5):461-6. doi: 10.1007/s11832-016-0767-z. Epub 2016 Aug 18.  
PMID: 27538942 [PubMed] Free PMC Article
14. Does Sclerostin Depletion Stimulate Fracture Healing in a Mouse Model?  
Alzahrani MM, Rauch F, Hamdy RC.  
Clin Orthop Relat Res. 2016 May;474(5):1294-302. doi: 10.1007/s11999-015-4640-z. Epub 2015 Nov 25.  
PMID: 26608966 [PubMed - indexed for MEDLINE] Free PMC Article
15. The use of computer-assisted surgery as an educational tool for the training of orthopedic surgery residents in pedicle screw placement: a pilot study and survey among orthopedic residents.  
Aoude A, Alhamzah H, Fortin M, Jarzem P, Ouellet J, Weber MH.  
Can J Surg. 2016 Dec;59(6):391-398.  
PMID: 28234614 [PubMed - indexed for MEDLINE] Free PMC Article
16. Incidence, Predictors, and Postoperative Complications of Blood Transfusion in Thoracic and Lumbar Fusion Surgery: An Analysis of 13,695 Patients from the American College of Surgeons National Surgical Quality Improvement Program Database.  
Aoude A, Nooh A, Fortin M, Aldebeyan S, Jarzem P, Ouellet J, Weber MH.  
Global Spine J. 2016 Dec;6(8):756-764. Epub 2016 Mar 31.  
PMID: 27853659 [PubMed - in process] Free PMC Article

17. Thirty-Day Complications of Conventional and Computer-Assisted Total Knee and Total Hip Arthroplasty: Analysis of 103,855 Patients in the American College of Surgeons National Surgical Quality Improvement Program Database.  
Aoude AA, Aldebeyan SA, Nooh A, Weber MH, Tanzer M.  
J Arthroplasty. 2016 Aug;31(8):1674-9. doi: 10.1016/j.arth.2016.01.042. Epub 2016 Feb 4. PMID: 26923496 [PubMed - in process]
18. Visual Fixation in the ICU: A Strong Predictor of Long-Term Recovery After Moderate-to-Severe Traumatic Brain Injury.  
Arbour C, Baril AA, Westwick HJ, Potvin MJ, Gilbert D, Giguère JF, Lavigne GJ, Desautels A, Bernard F, Laureys S, Gosselin N.  
Crit Care Med. 2016 Dec;44(12):e1186-e1193.  
PMID: 27495819 [PubMed - indexed for MEDLINE]
19. Maternal and fetal exposure to cadmium, lead, manganese and mercury: The MIREC study.  
Arbuckle TE, Liang CL, Morisset AS, Fisher M, Weiler H, Cirtiu CM, Legrand M, Davis K, Ettinger AS, Fraser WD; MIREC Study Group..  
Chemosphere. 2016 Nov;163:270-82. doi: 10.1016/j.chemosphere.2016.08.023. Epub 2016 Aug 16.  
PMID: 27540762 [PubMed - indexed for MEDLINE] Free Article
20. Distribution of Suicin Gene Clusters in *Streptococcus suis* Serotype 2 Belonging to Sequence Types 25 and 28.  
Athey TB, Vaillancourt K, Frenette M, Fittipaldi N, Gottschalk M, Grenier D.  
Biomed Res Int. 2016;2016:6815894. doi: 10.1155/2016/6815894. Epub 2016 Dec 18.  
PMID: 28078298 [PubMed - indexed for MEDLINE] Free PMC Article
21. Environmental factors associated with familial or non-familial forms of Paget's disease of bone.  
Audet MC, Jean S, Beaudoin C, Guay-Bélanger S, Dumont J, Brown JP, Michou L.  
Joint Bone Spine. 2016 Dec 6. pii: S1297-319X(16)30216-0. doi: 10.1016/j.jbspin.2016.11.010. [Epub ahead of print]  
PMID: 27932202 [PubMed - as supplied by publisher]
22. Analysis of the spinal nerve roots in relation to the adjacent vertebral bodies with respect to a posterolateral vertebral body replacement procedure.  
Awwad W, Bourget-Murray J, Zeiadin N, Mejia JP, Steffen T, Algarni AD, Alsaleh K, Ouellet J, Weber M, Jarzem PF.  
J Craniovertebr Junction Spine. 2017 Jan-Mar;8(1):50-57. doi: 10.4103/0974-8237.199869.  
PMID: 28250637 [PubMed - in process] Free PMC Article
23. Identification of clusters of individuals relevant to temporomandibular disorders and other chronic pain conditions: the OPPERA study.  
Bair E, Gaynor S, Slade GD, Ohrbach R, Fillingim RB, Greenspan JD, Dubner R, Smith SB, Diatchenko L, Maixner W.  
Pain. 2016 Jun;157(6):1266-78. doi: 10.1097/j.pain.0000000000000518.  
PMID: 26928952 [PubMed - indexed for MEDLINE]
24. A Simplified and Systematic Method to Isolate, Culture, and Characterize Multiple Types of Human Dental Stem Cells from a Single Tooth.

- Bakkar M, Liu Y, Fang D, Stegen C, Su X, Ramamoorthi M, Lin LC, Kawasaki T, Makhoul N, Pham H, Sumita Y, Tran SD.  
Methods Mol Biol. 2017;1553:191-207. doi: 10.1007/978-1-4939-6756-8\_15.  
PMID: 28229417 [PubMed - in process]
25. Advances and New Technologies towards Clinical Application of Oral Stem Cells and Their Secretome.  
Bakopoulou A, Huang GT, Rouabhia M, Geurtsen W, About I.  
Stem Cells Int. 2017;2017:6367375. doi: 10.1155/2017/6367375. Epub 2017 Jan 24. No abstract available.  
PMID: 28243258 [PubMed - in process] Free PMC Article
26. Socio-demographic characteristics and prevalence of risk factors in a hypertensive and diabetics population: a cross-sectional study in primary health care in Brazil.  
Baldisserotto J, Kopittke L, Nedel FB, Takeda SP, Mendonça CS, Sirena SA, Diercks MS, de Lima LA, Nicolau B.  
BMC Public Health. 2016 Jul 15;16:573. doi: 10.1186/s12889-016-3230-7.  
PMID: 27422747 [PubMed - in process] Free PMC Article
27. Relationship Between Disease Characteristics and Oral Radiologic Findings in Systemic Sclerosis: Results From a Canadian Oral Health Study.  
Baron M, Hudson M, Dagenais M, Macdonald D, Gyger G, El Sayegh T, Pope J, Fontaine A, Masetto A, Matthews D, Sutton E, Thie N, Jones N, Copete M, Kolbinson D, Markland J, Nogueira-Filho G, Robinson D, Fritzler M, Wang M, Gornitsky M.  
Arthritis Care Res (Hoboken). 2016 May;68(5):673-80. doi: 10.1002/acr.22739.  
PMID: 26413925 [PubMed - in process] Free Article
28. Growing a synthetic mollusk shell.  
Barthelat F.  
Science. 2016 Oct 7;354(6308):32-33. No abstract available.  
PMID: 27846481 [PubMed - indexed for MEDLINE]
29. Emerging and established clinical, histopathological and molecular parametric prognostic factors for metastatic spine disease secondary to lung cancer: Helping surgeons make decisions.  
Batista N, Tee J, Sciubba D, Sahgal A, Laufer I, Weber M, Gokaslan Z, Rhines L, Fehlings M, Patel S, Raja Rampersaud Y, Reynolds J, Chou D, Bettegowda C, Clarke M, Fisher C.  
J Clin Neurosci. 2016 Dec;34:15-22. doi: 10.1016/j.jocn.2016.05.023. Epub 2016 Sep 12. Review.  
PMID: 27634496 [PubMed - indexed for MEDLINE]
30. Vitamin D status in primary hyperparathyroidism: effect of genetic background.  
Battista C, Guarnieri V, Carnevale V, Baorda F, Pileri M, Garrubba M, Salcuni AS, Chiodini I, Minisola S, Romagnoli E, Eller-Vainicher C, Santini SA, Parisi S, Frusciantè V, Fontana A, Copetti M, Hendy GN, Scillitani A, Cole DE.  
Endocrine. 2017 Jan;55(1):266-272. doi: 10.1007/s12020-016-0974-x. Epub 2016 May 6.  
PMID: 27154872 [PubMed - in process]
31. Retrospective Analysis of Congenital Scoliosis: Associated Anomalies and Genetic Diagnoses.  
Beauregard-Lacroix E, Tardif J, Camurri MV, Lemyre E, Barchi S, Parent S, Campeau PM.  
Spine (Phila Pa 1976). 2016 Nov 22. [Epub ahead of print]

PMID: 27879578 [PubMed - as supplied by publisher]

32. Interactions between bone cells and biomaterials: An update.  
Beauvais S, Drevelle O, Jann J, Lauzon MA, Foruzanmehr M, Grenier G, Roux S, Fauchoux N.  
Front Biosci (Schol Ed). 2016 Jun 1;8:227-63.  
PMID: 27100704 [PubMed - in process]
33. Tea polyphenols inhibit the growth and virulence properties of *Fusobacterium nucleatum*.  
Ben Lagha A, Haas B, Grenier D.  
Sci Rep. 2017 Mar 21;7:44815. doi: 10.1038/srep44815.  
PMID: 28322293 [PubMed - in process] Free PMC Article
34. Antimicrobial potential of bacteriocins in poultry and swine production.  
Ben Lagha A, Haas B, Gottschalk M, Grenier D.  
Vet Res. 2017 Apr 11;48(1):22. doi: 10.1186/s13567-017-0425-6. Review.  
PMID: 28399941 [PubMed - in process] Free PMC Article
35. The signaling signature of the neurotensin type 1 receptor with endogenous ligands.  
Besserer-Offroy É, Brouillette RL, Lavenus S, Froehlich U, Brumwell A, Murza A, Longpré JM, Marsault É, Grandbois M, Sarret P, Leduc R.  
Eur J Pharmacol. 2017 Jun 15;805:1-13. doi: 10.1016/j.ejphar.2017.03.046. Epub 2017 Mar 22.  
PMID: 28341345 [PubMed - in process]
36. Tomography-Based Quantification of Regional Differences in Cortical Bone Surface Remodeling and Mechano-Response.  
Birkhold AI, Razi H, Duda GN, Checa S, Willie BM.  
Calcif Tissue Int. 2017 Mar;100(3):255-270. doi: 10.1007/s00223-016-0217-4. Epub 2016 Dec 20.  
PMID: 27999894 [PubMed - in process]
37. Association of Mental Disorders and Related Medication Use With Risk for Major Osteoporotic Fractures.  
Bolton JM, Morin SN, Majumdar SR, Sareen J, Lix LM, Johansson H, Odén A, McCloskey EV, Kanis JA, Leslie WD.  
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